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REPORT

NMTBA
The Association For Manufacturing Technology

Direct Dial: (703) 827-5260

STATISTICAL

No. 63-91 June 5, 1991

U.S. FOREIGN TRADE IN MANUFACTURING TECHNOLOGY – MARCH 1991

(Values in Millions of U.S. Dollars)

	Mar. 1991	Feb. 1991	Average Dec.-Feb.	Year to Date '91	Year to Date '90	% Change YTD '90-'91
METAL CUTTING MACHINE TOOLS						
Exports	$ 45.7	$ 58.1	$ 50.3	$147.4	$173.2	(14.9%)
Imports	$133.1	$110.3	$127.1	$382.0	$425.7	(10.3%)
Balance	($ 87.4)	($ 52.2)	($ 76.8)	($234.6)	($252.5)	(7.1%)
METAL FORMING MACHINE TOOLS						
Exports	$ 36.1	$ 34.3	$ 36.6	$102.8	$116.3	(11.6%)
Imports	$ 43.9	$ 40.7	$ 48.9	$134.9	$112.7	19.7%
Balance	($ 7.8)	($ 6.4)	($ 12.3)	($ 32.1)	$ 3.6	NM
MACHINE TOOL TOTAL						
Exports	$ 81.8	$ 92.5	$ 86.9	$250.2	$289.5	(13.6%)
Imports	$177.0	$150.9	$176.0	$516.8	$538.5	(4.0%)
Balance	($ 95.2)	($ 58.4)	($ 89.1)	($266.6)	($249.0)	7.1%
NUMERICALLY CONTROLLED MACHINE TOOLS						
Exports	$ 28.6	$ 33.2	$ 28.8	$ 82.8	$100.0	(17.2%)
Imports	$ 96.1	$ 81.3	$ 84.2	$269.7	$293.8	(8.2%)
Balance	($ 67.5)	($ 48.1)	($ 55.4)	($186.9)	($193.8)	(3.6%)
OTHER MANUFACTURING TECHNOLOGY						
Exports	$139.1	$124.3	$135.7	$404.9	$450.0	(10.0%)
Imports	$182.7	$144.6	$ 168.7	$509.7	$506.9	0.6%
Balance	($ 43.6)	($ 20.3)	($ 33.0)	($104.8)	($ 56.9)	84.2%

Note: Numerically controlled machine tools is a subgroup of the machine tool total. NM = not meaningful; ( ) denotes negative. Individual items may not add up to totals due to rounding.

• U.S. machine tool imports in the first quarter of 1991 were down 4% from 1990. Imports in March of $177.0 million were about equal to the average for the previous three months.

• U.S. machine tool exports of $250.2 million through March were down 14% from last year. Exports in March were 12% lower than February.

• Exports of NC machine tools in the first quarter were down 17% from last year; imports of NC machines were down 8%.

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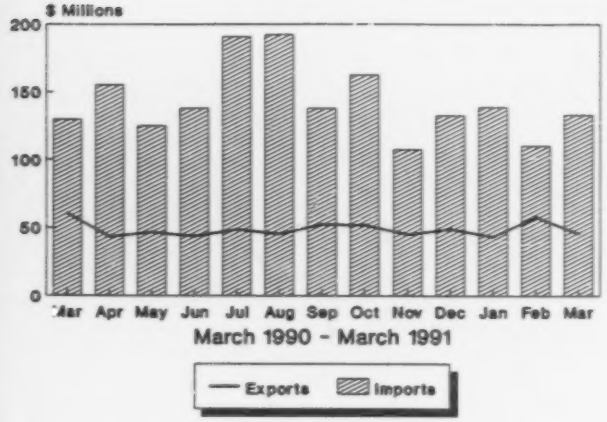
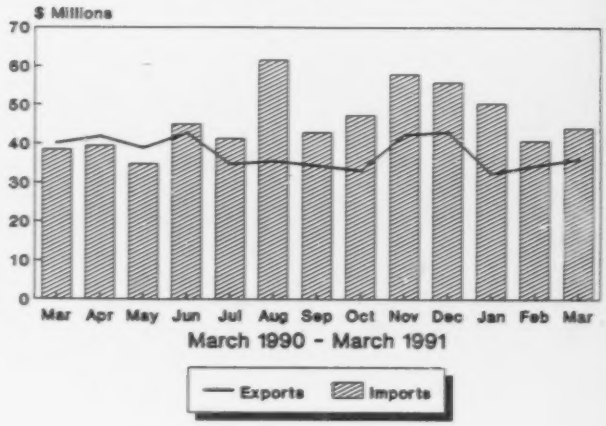
U.S. MONTHLY TRADE IN MACHINE TOOLS

METAL CUTTING



METAL FORMING



METAL CUTTING MACHINE TOOLS

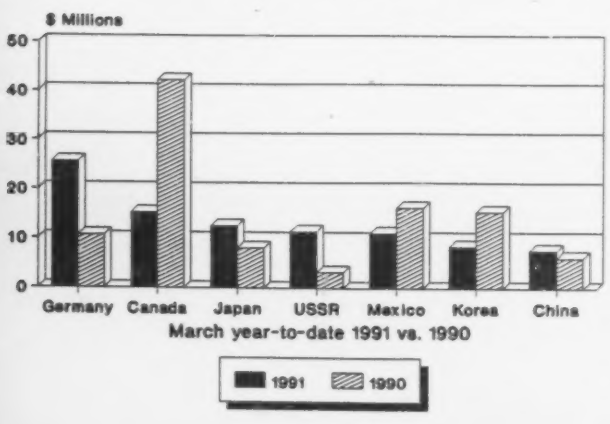
Exports

- Year-to-date exports of metal cutting machines were $102.8 million, down 12% from $116.3 million in 1990. Exports of NC machines through March ($64.4 million) were down 17% from last year's $78.0 million.

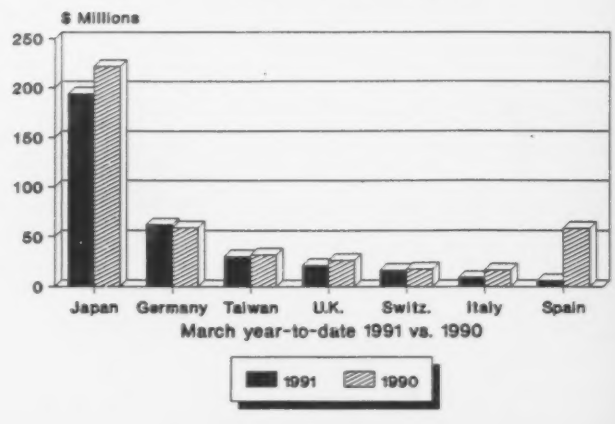
- Germany was the largest export market in March ($6.5 million) and for the first quarter ($25.5 million). Germany's total is 139% higher than last year. Other top markets so far in 1991 include Canada ($15.3 million), Japan ($12.6 million) and the Soviet Union ($11.4 million).

- Exports of grinding machines through March were $24.6 million, down 36% from $38.3 million in 1990. Exports of lathes so far in 1991 ($12.7 million) were down 34% from 1990; exports of machining centers ($13.1 million) were down 41%.

LEADING U.S. EXPORT MARKETS
METAL CUTTING MACHINES



LEADING U.S. IMPORT SOURCES
METAL CUTTING MACHINES



Imports

• Imports of metal cutting machines in 1991 through March were $382.0 million, down 10% from last year. Imports of NC machines ($246.0 million) were down 9%.

• Imports from Japan in 1991 through March were down 12% from last year to $194.2 million. Imports from Germany ($62.2 million) were up 5%; imports from Taiwan ($30.5 million) and the United Kingdom ($21.6 million) were down 5% and 19%, respectively.

• Imports of non-NC lathes were down 26% to $20.6 million in 1991 through March; imports of machining centers were down 24% to $79.5 million. Imports of boring machines were up 80% to $13.2 million.

METAL FORMING MACHINE TOOLS

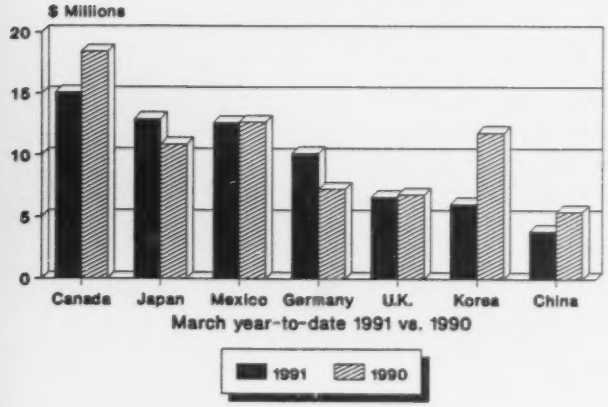
Exports

• Exports of metal forming machines in March were $36.1 million, up slightly from February and about equal to the average for the previous three months. Year-to-date exports of $102.8 million were down 12% from last year.

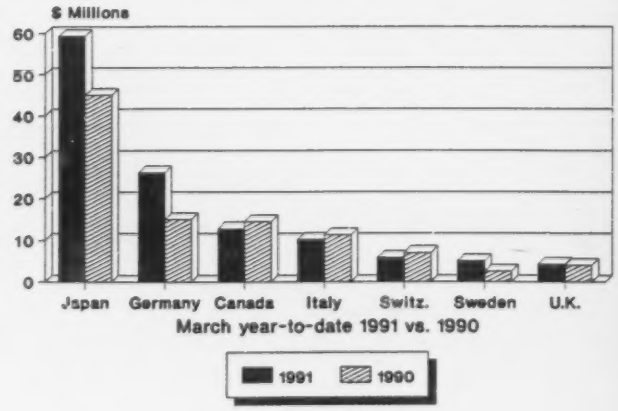
• Exports of presses so far in 1991 were down 38% to $18.0 million; exports of bending and forming machines were up 25% to $18.4 million.

• Canada is the top metal forming export market so far in 1991 at $15.1 million (down 18% from 1990), followed by Japan ($12.9 million, up 19%), Mexico ($12.6 million, even with last year), Germany ($10.2 million, up 40%) and the United Kingdom ($6.6 million, down 2%.)

LEADING U.S. EXPORT MARKETS
METAL FORMING MACHINES



LEADING U.S. IMPORT SOURCES
METAL FORMING MACHINES



Imports

• Imports of metal forming machines in the first quarter were $134.9 million, up 20% over last year's $112.7 million. Imports from Japan were up 32% to $59.3 million; imports from Germany were up 76% to $26.3 million. Other top import sources include Canada ($12.8 million), Italy ($10.2 million) and Switzerland ($5.8 million).

• Imports of presses of $34.3 million in 1991 through Ma[illegible]ere up from $14.8 million last year. Imports of punching and shearing machines w[illegible]own to $12.7 million from $19.6 million last year at this time.

OTHER MANUFACTURING TECHNOLOGY

Exports

• Year-to-date exports of machine tool parts and accessories were $165.8 million, down from $184.4 million last year. The top export markets so far in 1991: Canada ($29.7 million), Germany ($18.2 million), Japan ($16.2 million), the United Kingdom ($14.0 million) and Mexico ($12.6 million).

• Exports of machines and appliances for testing metals were $15.2 million in 1991 through March, down from $18.0 million in 1990. Exports of blow molding machines were up from 124 to 204 units and from $8.1 million to $9.5 million over last year.

Imports

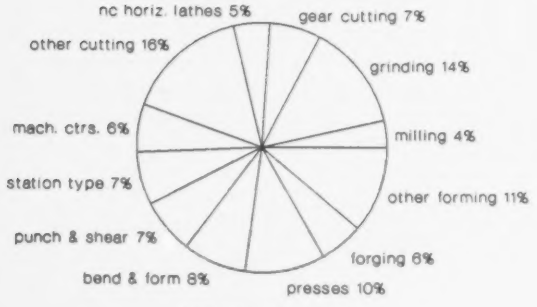
• Imports of machine tool parts and accessories were $136.7 million, down from $147.3 million last year. The top import sources: Japan ($36.0 million), Germany ($34.0 million), Canada ($17.8 million) and the United Kingdom ($11.7 million).

• Imports of industrial robots were $40.8 million in 1991 through March, up from $32.7 million in 1990. The top imports sources: Japan ($33.3 million, 82% of the total) and Germany ($2.2 million).

MONTHLY FOCUS

For the six months ending March 31, 1991 Germany was the top U.S. machine tool export market. Not in recent memory -- and possibly ever -- has a country other than Mexico or Canada been the top export market for so long. The charts below detail U.S. machine tool exports from January 1990 through March 1991 by type of machine. The chart on the left covers total U.S. exports; the chart on the right covers U.S. exports to Germany only. The figures are the percentage of total exports accounted for by each type of machine. The most striking difference between the two charts is station type machines, which accounted for 7% of total U.S. machine tool exports but 35% of U.S. exports to Germany during this period. As the charts show, Germany is a "less-than-average" market for machining centers, grinding machines, punching and shearing machines, and NC horizontal lathes, among others, but a "better-than-average" market for presses and station type machines.

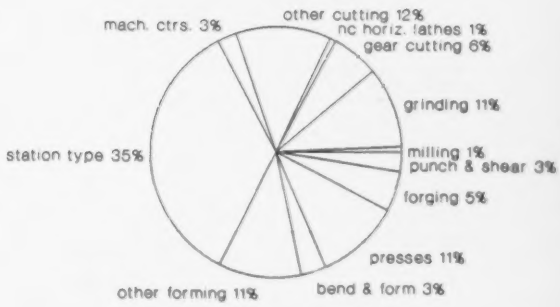
U.S. Machine Tool Exports
Jan. 1990 - March 1991



Whole World

Data do not include used or rebuilt machines or machines valued under $2,500. Total = $1,123.6 million.

U.S. Machine Tool Exports
Jan. 1990 - Mar. 1991



Germany Only

Data do not include used or rebuilt machines or machines valued under $2,500. Total = $113.7 million.

1991 EXPORTS

METAL CUTTING

COUNTRY	MARCH	FEBRUARY	%CHANGE	MAR YTD'91	MAR YTD'90	%CHANGE
West Germany	$6,535,385	$10,184,699	-35.83%	$25,547,897	$10,672,447	139.38%
Canada	5,169,017	6,008,374	-13.97	15,257,045	42,208,675	-63.85
Japan	4,762,767	3,606,994	32.04	12,599,772	8,096,942	55.61
USSR	39,000	10,472,534	-99.63	11,434,601	3,207,507	256.49
Mexico	5,000,595	2,262,432	121.03	11,118,994	16,219,201	-31.45
Korea	3,226,403	2,708,494	19.12	8,406,084	15,490,161	-45.73
China	4,301,571	2,005,072	114.53	7,662,093	6,155,004	24.49
U.K.	2,079,799	3,135,990	-33.68	6,507,381	17,896,322	-63.64
Italy	54,072	3,222,563	-98.32	5,495,062	5,173,373	6.22
France	726,385	780,936	-6.99	4,643,658	3,413,790	36.03
India	648,123	1,515,489	-57.23	3,961,560	7,278,318	-45.57
Belgium	428,857	1,655,669	-74.10	3,060,951	6,951,317	-55.97
Venezuela	1,504,285	667,127	125.49	2,919,963	1,373,368	112.61
Taiwan	2,043,602	200,118	921.20	2,746,709	2,561,856	7.22
Brazil	976,273	1,151,627	-15.23	2,475,127	6,099,394	-59.42
Netherlands	371,804	1,186,314	-68.66	2,194,540	999,667	119.53
Switzerland	329,406	1,540,372	-78.62	2,000,799	1,959,758	2.09
Australia	639,136	108,172	490.85	1,745,472	4,618,489	-62.21
Singapore	595,227	669,978	-11.16	1,630,597	1,828,529	-10.82
Spain	217,355	61,080	255.85	465,527	1,337,639	-65.20
Thailand	36,239	248,246	-85.40	452,330	966,297	-53.19
Austria	418,513	18,797	2,126.49	447,368	99,719	348.63
Malaysia	27,794	3,800	631.42	70,801	373,029	-81.02
Indonesia	7,354	33,600	-78.11	56,079	90,636	-38.13

METAL FORMING

COUNTRY	MARCH	FEBRUARY	%CHANGE	MAR YTD'91	MAR YTD'90	%CHANGE
Canada	$6,425,775	$ 3,589,513	79.02%	$15,102,950	$18,432,465	-18.06%
Japan	4,366,654	5,813,540	-24.89	12,926,848	10,880,046	18.81
Mexico	4,794,606	3,796,173	26.30	12,647,057	12,685,530	-0.30
West Germany	1,199,684	2,753,875	-56.44	10,160,431	7,262,905	39.89
U.K.	2,464,820	2,017,333	22.18	6,631,311	6,793,807	-2.39
Korea	4,147,350	244,380	1,597.09	6,056,986	11,812,389	-48.72
China	77,850	2,046,901	-96.20	3,849,379	5,417,403	-28.94
Netherlands	1,068,955	1,282,795	-16.67	2,521,171	1,964,828	28.32
Taiwan	1,058,035	1,198,916	-11.75	2,263,921	5,521,412	-59.00
Brazil	1,225,025	97,426	1,157.39	2,230,234	1,063,235	109.76
France	1,037,362	405,202	156.01	2,226,096	4,952,111	-55.05
Italy	531,138	403,870	31.51	2,151,405	2,377,564	-9.51
Singapore	1,141,403	458,667	148.85	1,988,238	1,070,878	85.66
Thailand	690,799	761,803	-9.32	1,608,230	369,997	334.66
Australia	445,684	182,734	143.90	792,509	1,001,483	-20.87
Malaysia	4,800	450,394	-98.93	638,089	279,926	127.95
Switzerland	215,852	28,032	670.02	609,087	947,337	-35.71
India	37,146	209,322	-82.25	529,027	4,674,478	-88.68
Indonesia	50,000	0	NA	408,560	24,195	1,588.61
Spain	191,226	141,174	35.45	351,213	808,148	-56.54
Venezuela	178,234	82,090	117.12	350,589	276,304	26.89
Belgium	27,480	46,368	-40.73	152,766	1,273,642	-88.01
Austria	0	83,602	-100.00	83,602	770,383	-89.15
USSR	0	0	NA	0	0	NA

TOTAL METAL CUTTING AND METAL FORMING

COUNTRY	MARCH	FEBRUARY	%CHANGE	MAR YTD'91	MAR YTD'90	%CHANGE
West Germany	$ 7,735,069	$12,938,574	-40.22%	$35,708,328	$17,935,352	99.09%
Canada	11,594,792	9,597,887	20.81	30,359,995	60,641,140	-49.93
Japan	9,129,421	9,420,534	-3.09	25,526,620	18,976,988	34.51
Mexico	9,795,201	6,058,605	61.67	23,766,051	28,904,731	-17.78
Korea	7,373,753	2,952,874	149.71	14,463,070	27,302,550	-47.03
U.K.	4,544,619	5,153,323	-11.81	13,138,692	24,690,129	-46.79
China	4,379,421	4,051,973	8.08	11,511,472	11,572,407	-0.53
USSR	39,000	10,472,534	-99.63	11,434,601	3,207,507	256.49
Italy	585,210	3,626,433	-83.86	7,646,467	7,550,937	1.27
France	1,763,747	1,186,138	48.70	6,869,754	8,365,901	-17.88
Taiwan	3,101,637	1,399,034	121.70	5,010,630	8,083,268	-38.01
Netherlands	1,440,759	2,469,109	-41.65	4,715,711	2,964,495	59.07
Brazil	2,201,298	1,249,053	76.24	4,705,361	7,162,629	-34.31
India	685,269	1,724,811	-60.27	4,490,587	11,952,796	-62.43
Singapore	1,736,630	1,128,645	53.87	3,618,835	2,899,407	24.81
Venezuela	1,682,519	749,217	124.57	3,270,552	1,649,672	98.25
Belgium	456,337	1,702,037	-73.19	3,213,717	8,224,959	-60.93
Switzerland	545,258	1,568,404	-65.23	2,609,886	2,907,095	-10.22
Australia	1,084,820	290,906	272.91	2,537,981	5,619,972	-54.84
Thailand	727,038	1,010,049	-28.02	2,060,560	1,336,294	54.20
Spain	408,581	202,254	102.01	816,740	2,145,787	-61.94
Malaysia	32,594	454,194	-92.82	708,890	652,955	8.57
Austria	418,513	102,399	308.71	530,970	870,102	-38.98
Indonesia	57,354	33,600	70.70	464,639	114,831	304.63

1991 IMPORTS

METAL CUTTING

COUNTRY	MARCH	FEBRUARY	%CHANGE	MAR YTD'91	MAR YTD'90	%CHANGE
Japan	$72,546,463	$58,173,452	24.71%	$194,210,249	$221,517,589	-12.33%
West Germany	23,034,113	14,079,563	63.60	62,159,576	59,029,404	5.30
Taiwan	6,732,173	9,050,342	-25.61	30,452,815	31,902,066	-4.54
U.K.	9,254,974	6,691,361	38.31	21,631,359	26,660,500	-18.86
Switzerland	5,124,111	6,924,518	-26.00	16,745,441	17,388,488	-3.70
Italy	4,523,078	1,744,569	159.27	9,033,479	16,595,735	-45.57
Spain	1,471,134	2,314,406	-36.44	6,240,748	5,831,855	7.01
Sweden	1,209,298	1,403,180	-13.82	5,676,589	3,404,654	66.73
Canada	1,387,153	2,173,091	-36.17	4,618,762	5,980,456	-22.77
France	1,437,921	589,037	144.11	4,577,369	6,034,640	-24.15
Korea	968,674	2,063,478	-53.06	4,330,035	5,781,692	-25.11
Singapore	629,998	735,823	-14.38	2,479,846	5,694,712	-56.45
Brazil	15,045	190,907	-92.12	1,182,368	4,054,798	-70.84
Belgium	225,530	34,048	562.39	1,027,622	540,203	90.23

METAL FORMING

COUNTRY	MARCH	FEBRUARY	%CHANGE	MAR YTD'91	MAR YTD'90	%CHANGE
Japan	$18,828,453	$15,590,823	20.77%	$59,299,949	$45,039,072	31.66%
West Germany	7,157,235	8,957,809	-20.10	26,321,702	14,941,906	76.16
Canada	5,205,499	4,137,691	25.81	12,794,359	14,457,081	-11.50
Italy	3,840,972	2,177,188	76.42	10,203,187	11,208,329	-8.97
Switzerland	1,393,150	2,467,453	-43.54	5,807,318	6,949,810	-16.44
Sweden	1,706,037	2,934,413	-41.86	5,023,090	2,466,259	103.67
U.K.	1,304,183	1,602,076	-18.59	4,260,391	3,947,833	7.92
Belgium	1,492,395	425,159	251.02	2,771,467	5,569,763	-50.24
Taiwan	468,429	1,123,609	-58.31	2,235,725	2,452,955	-8.86
Spain	100,185	336,142	-70.20	1,015,520	900,575	12.76
France	163,070	268,785	-39.33	709,110	367,908	92.74
Brazil	500,000	0	NA	538,940	0	NA
Singapore	0	300,254	-100.00	300,254	8,790	3,315.86
Korea	253,675	29,384	763.31	283,059	63,891	343.03

TOTAL METAL CUTTING AND METAL FORMING

COUNTRY	MARCH	FEBRUARY	%CHANGE	MAR YTD'91	MAR YTD'90	%CHANGE
Japan	$91,374,916	$73,764,275	23.87%	$253,510,198	$266,556,661	-4.89%
West Germany	30,191,348	23,037,372	31.05	88,481,278	73,971,310	19.62
Taiwan	7,200,602	10,173,951	-29.23	32,688,540	34,355,021	-4.85
U.K.	10,559,157	8,293,437	27.32	25,891,750	30,608,333	-15.41
Switzerland	6,517,261	9,391,971	-30.61	22,552,759	24,338,298	-7.34
Italy	8,364,050	3,921,757	113.27	19,236,666	27,804,064	-30.81
Canada	6,592,652	6,310,782	4.47	17,413,121	20,437,537	-14.80
Sweden	2,915,335	4,337,593	-32.79	10,699,679	5,870,913	82.25
Spain	1,571,319	2,650,548	-40.72	7,256,268	6,732,430	7.78
France	1,600,991	857,822	86.63	5,286,479	6,402,548	-17.43
Korea	1,222,349	2,092,862	-41.59	4,613,094	5,845,583	-21.08
Belgium	1,717,925	459,207	274.11	3,799,089	6,109,966	-37.82
Singapore	629,998	1,036,077	-39.19	2,780,100	5,703,502	-51.26
Brazil	515,045	190,907	169.79	1,721,308	4,054,798	-57.55

1991 U.S. EXPORTS BY PRODUCT GROUPS

PRODUCT TYPES	JANUARY 1991		FEBRUARY 1991		MARCH 1991		MAR '91 Y-T-D TOTALS	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & Rebuilt & Under $2,500	5,350	13,231,937	5,314	9,384,660	5,918	12,359,757	16,582	34,976,354
Boring Machines	8	572,189	8	2,689,884	7	490,980	23	3,753,053
Drilling Machines	104	2,125,292	72	2,302,444	98	2,731,002	274	7,158,738
Gear Cutting Machines	14	7,378,919	23	3,441,470	16	3,898,627	53	14,719,016
Grinding Machines	244	5,937,543	272	10,254,977	275	8,387,839	791	24,580,359
Horizontal Lathes NC	15	2,388,500	33	3,043,968	29	3,419,112	77	8,851,580
Vertical Lathes NC	1	161,310	2	341,835	6	371,174	9	874,319
Lathes Non-NC	37	817,093	46	1,273,108	34	912,266	117	3,002,467
Milling Machines	21	1,285,651	27	1,256,940	56	1,629,636	104	4,172,227
Machining Centers	18	2,251,834	27	4,699,366	21	6,179,301	66	13,130,501
Station Type Machines	7	6,763,963	10	16,280,662	3	3,750,445	20	26,795,070
Other Metal Cutting	223	7,078,662	278	7,046,503	322	7,317,458	823	21,442,623
Punching & Shearing Machines	108	4,513,331	79	5,456,279	85	4,584,562	272	14,554,172
Bending & Forming Machines	116	4,251,882	102	6,952,107	119	7,232,573	337	18,436,562
Presses	293	7,418,063	96	5,734,227	128	4,847,879	517	18,000,169
Forging Machines	11	2,746,151	19	5,146,204	21	4,124,370	51	12,016,725
Other Metal Forming	231	7,030,224	185	7,182,512	193	9,543,993	609	23,756,729
TOTAL	6,801	75,952,544	6,593	92,487,146	7,331	81,780,974	20,725	250,220,664

PRODUCT TYPES	MARCH 1990		MAR '90 Y-T-D TOTALS	
	Units	Value	Units	Value
Used & Rebuilt & Under $2,500	5,847	11,979,000	13,289	35,138,171
Boring Machines	13	1,519,123	34	3,884,727
Drilling Machines	94	2,533,602	257	5,709,446
Gear Cutting Machines	17	3,507,653	77	12,763,125
Grinding Machines	459	12,592,065	958	38,273,933
Horizontal Lathes NC	35	2,648,406	113	12,574,403
Vertical Lathes NC	16	892,377	21	2,115,514
Lathes Non-NC	76	1,855,222	182	4,441,557
Milling Machines	75	5,272,375	152	12,098,011
Machining Centers	50	8,542,651	149	22,132,360
Station Type Machines	8	4,611,947	46	17,738,570
Other Metal Cutting	364	9,303,138	990	23,907,400
Punching & Shearing Machines	155	5,546,446	383	19,800,269
Bending & Forming Machines	128	5,372,091	390	14,740,514
Presses	273	10,390,057	662	28,867,691
Forging Machines	31	3,378,097	73	10,671,928
Other Metal Forming	312	10,516,058	841	24,645,102
TOTAL	7,953	100,460,308	18,617	289,502,721

1991 U.S. EXPORTS BY PRODUCT GROUPS

PRODUCT TYPES	% CHANGE FEB '91 – MAR '91		% CHANGE MAR '90 – MAR '91		% CHANGE YTD '90 – YTD '91	
	Units	Value	Units	Value	Units	Value
Used & Rebuilt & Under $2,500	11.37	31.70	1.21	3.18	24.78	-0.46
Boring Machines	-12.50	-81.75	-46.15	-67.68	-32.35	-3.39
Drilling Machines	36.11	18.61	4.26	7.79	6.61	25.38
Gear Cutting Machines	-30.43	13.28	-5.88	11.15	-31.17	15.32
Grinding Machines	1.10	-18.21	-40.09	-33.39	-17.43	-35.78
Horizontal Lathes NC	-12.12	12.32	-17.14	29.10	-31.86	-29.61
Vertical Lathes NC	200.00	8.58	-62.50	-58.41	-57.14	-58.67
Lathes Non-NC	-26.09	-28.34	-55.26	-50.83	-35.71	-32.40
Milling Machines	107.41	29.65	-25.33	-69.09	-31.58	-65.51
Machining Centers	-22.22	31.49	-58.00	-27.67	-55.70	-40.67
Station Type Machines	-70.00	-76.96	-62.50	-18.68	-56.52	51.06
Other Metal Cutting	15.83	3.85	-11.54	-21.34	-16.87	-10.31
Punching & Shearing Machines	7.59	-15.98	-45.16	-17.34	-28.98	-26.50
Bending & Forming Machines	16.67	4.03	-7.03	34.63	-13.59	25.07
Presses	33.33	-15.46	-53.11	-53.34	-21.90	-37.65
Forging Machines	10.53	-19.86	-32.26	22.09	-30.14	12.60
Other Metal Forming	4.32	32.88	-38.14	-9.24	-27.59	-3.60
TOTAL	11.19	-11.58	-7.82	-18.59	11.32	-13.57

1991 U.S. IMPORTS BY PRODUCT GROUPS

PRODUCT TYPES	JANUARY 1991		FEBRUARY 1991		MARCH 1991		MAR '91 Y-T-D TOTALS	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & Rebuilt & Under $2,500	71,667	13,094,991	94,612	15,968,463	63,827	14,630,134	230,106	43,693,588
Boring Machines	75	3,212,626	65	3,295,233	55	6,672,018	195	13,179,877
Drilling Machines	136	5,284,960	72	2,124,951	105	5,761,640	313	13,171,551
Gear Cutting Machines	34	7,247,022	30	2,608,872	12	3,256,264	76	13,112,158
Grinding Machines	662	23,141,603	464	17,045,322	540	20,820,588	1,666	61,007,513
Horizontal Lathes NC	158	17,509,455	251	25,854,656	244	28,306,454	653	71,670,565
Vertical Lathes NC	9	1,367,349	15	2,253,656	9	2,973,011	33	6,594,016
Lathes Non-NC	722	8,815,703	340	4,755,176	312	7,055,881	1,374	20,626,760
Milling Machines	449	12,771,541	257	2,795,380	250	4,970,541	956	20,537,462
Machining Centers	293	33,595,255	212	22,089,069	167	23,849,656	672	79,533,980
Station Type Machines	14	4,189,738	4	1,830,253	5	1,401,630	23	7,421,621
Other Metal Cutting	448	11,368,644	217	12,635,073	254	16,773,980	919	40,777,697
Punching & Shearing Machines	67	5,697,766	59	1,638,364	89	5,334,266	215	12,670,396
Bending & Forming Machines	189	6,557,096	183	8,695,550	147	8,228,937	519	23,481,583
Presses	72	16,236,188	317	9,033,944	163	8,995,976	552	34,266,108
Forging Machines	59	5,028,586	47	2,528,010	51	5,954,214	157	13,510,810
Other Metal Forming	286	13,786,011	230	15,783,509	277	12,006,374	793	41,575,894
TOTAL	75,340	188,904,534	97,375	150,935,481	66,507	176,991,564	239,222	516,831,579

PRODUCT TYPES	MARCH 1990		MAR '90 Y-T-D TOTALS	
	Units	Value	Units	Value
Used & Rebuilt & Under $2,500	64,814	11,170,439	210,990	37,026,061
Boring Machines	41	2,141,056	138	7,317,772
Drilling Machines	131	4,767,643	384	12,075,752
Gear Cutting Machines	74	3,683,095	150	12,541,739
Grinding Machines	723	19,376,535	2,076	65,982,848
Horizontal Lathes NC	290	24,294,192	907	83,060,761
Vertical Lathes NC	10	1,702,771	42	6,419,758
Lathes Non-NC	812	10,071,175	1,895	27,849,100
Milling Machines	490	4,451,840	1,309	19,257,532
Machining Centers	270	30,976,925	900	104,368,288
Station Type Machines	15	3,697,896	40	10,526,578
Other Metal Cutting	381	15,326,449	1,314	45,336,546
Punching & Shearing Machines	203	8,518,187	435	19,611,194
Bending & Forming Machines	191	7,366,810	549	19,732,805
Presses	100	4,367,203	807	14,841,185
Forging Machines	104	5,559,426	307	19,921,182
Other Metal Forming	205	10,852,813	753	32,599,801
TOTAL	68,854	168,324,455	222,996	538,468,902

1991 U.S. IMPORTS BY PRODUCT GROUPS

PRODUCT TYPES	% CHANGE FEB '91 - MAR '91		% CHANGE MAR '90 - MAR '91		% CHANGE YTD '90 - YTD '91	
	Units	Value	Units	Value	Units	Value
Used & Rebuilt & Under $2,500	-32.54	-8.38	-1.52	30.97	9.06	18.01
Boring Machines	-15.38	102.47	34.15	211.62	41.30	80.11
Drilling Machines	45.83	171.14	-19.85	20.85	-18.49	9.07
Gear Cutting Machines	-60.00	24.82	-83.78	-11.59	-49.33	4.55
Grinding Machines	16.38	22.15	-25.31	7.45	-19.75	-7.54
Horizontal Lathes NC	-2.79	9.48	-15.86	16.52	-28.00	-13.71
Vertical Lathes NC	-40.00	31.92	-10.00	74.60	-21.43	2.71
Lathes Non-NC	-8.24	48.38	-61.58	-29.94	-27.49	-25.93
Milling Machines	-2.72	77.81	-48.98	11.65	-26.97	6.65
Machining Centers	-21.23	7.97	-38.15	-23.01	-25.33	-23.79
Station Type Machines	25.00	-23.42	-66.67	-62.10	-42.50	-29.50
Other Metal Cutting	17.05	32.76	-33.33	9.44	-30.06	-10.06
Punching & Shearing Machines	50.85	225.58	-56.16	-37.38	-50.57	-35.39
Bending & Forming Machines	-19.67	-5.37	-23.04	11.70	-5.46	19.00
Presses	-48.58	-0.42	63.00	105.99	-31.60	130.89
Forging Machines	8.51	135.53	-50.96	7.10	-48.86	-32.18
Other Metal Forming	20.43	-23.93	35.12	10.63	5.31	27.53
TOTAL	-31.70	17.26	-3.41	5.15	7.28	-4.02

U.S. EXPORTS
Metal Cutting Machine Tools - March 91

RELEASED: June 5, 1991

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8456300000	Electro-discharge machines	37	2825	17	1398
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm (26")	20	2824	5	649
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm (26")	2	220	0	0
100035	Horizontal machining centers, ATC	11	5548	5	3063
100045	Machining centers, n.e.c.	33	4538	11	2467
200010	Unit construction mach. (single station transfer), NC	2	474	0	0
200090	Unit construction mach. (single station transfer), non-NC	4	1955	1	1090
300010	Multi-station transfer machines, NC	7	12459	2	2661
300090	Multi-station transfer machines, non-NC	6	11869	0	0
8458110010	Horizontal lathes, multiple spindle, NC	5	1175	0	0
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	53	4401	24	2316
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	13	2301	3	653
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	6	974	2	451
190030	Horizontal engine or toolroom lathes, non-NC	13	177	6	114
190050	Automatic bar and/or chucking mach., single spindle, non-NC	0	0	0	0
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	11	648	2	262
190090	Horizontal lathes, n.e.c., non-NC	58	1067	10	144
911060	Vertical turret lathes, multiple spindle, NC	0	0	0	0
911080	Vertical turret lathes, n.e.c., NC	1	261	0	0
915050	Vertical lathes, excl. VTL's, multiple spindle, NC	0	0	0	0
915070	Vertical lathes, excluding VTL's, n.e.c., NC	8	613	6	371
991050	Vertical turret lathes, non-NC	18	285	8	136
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	17	826	8	258
8459100000	Way-type unit head machines	1	38	0	0
210080	Other drilling machines, NC	55	4523	18	1105
290040	Drilling machines, multiple spindle, non-NC	0	0	0	0
290050	Drilling machines, radial, non-NC	4	25	2	9
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	12	574	6	240
290090	Drilling machines, n.e.c., non-NC	203	2037	72	1376
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	0	0	0	0
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	3	2580	0	0
310070	Boring-milling machines, n.e.c., NC	8	606	5	456
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	1	33	0	0
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	4	137	1	4
400040	Boring machines, vertical, NC	0	0	0	0
400050	Boring machines, vertical, non-NC	2	58	0	0
400070	Boring machines, n.e.c., NC	0	0	0	0
400080	Boring machines, n.e.c., non-NC	5	340	1	31
510080	Milling machines, knee type, NC	4	648	3	168
590030	Milling machines, knee type, non-NC	35	1422	16	531
610080	Milling machines, excluding knee type, n.e.c., NC	4	587	1	80
690050	Milling machines, profile, dup., or die sinking, non-NC	0	0	0	0
690070	Milling machines, bed type, non-NC	0	0	0	0
690090	Milling machines, n.e.c., non-NC	61	1515	36	851
700020	Threading or tapping machines, n.e.c., NC	28	850	3	238
700080	Threading or tapping machines, n.e.c., non-NC	65	2162	28	865
8460110080	Flat surface grinding machines, NC	5	844	0	0
190010	Flat surface grinding mach., recip.-table type, non-NC	15	181	3	38
190050	Flat surface grinding machines, n.e.c., non-NC	5	592	1	148
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	31	11671	11	3748
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	3	972	0	0
290030	Grinding machines, internal cylindrical, non-NC	3	86	2	63
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	88	3543	33	1379
310080	Sharpening machines (tool & cutter grinding), NC	8	690	5	612
390050	Sharpening machines (tool or cutter grinding), non-NC	299	2124	57	388
400060	Honing or lapping machines, NC	0	0	0	0
400080	Honing or lapping machines, non-NC	64	919	33	427
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	1	24	1	24
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	269	2933	129	1561
8461100060	Planing machines, NC	0	0	0	0
100080	Planing machines, non-NC	57	941	3	37
200010	Shaping or slotting machines, NC	2	208	0	0
200090	Shaping or slotting machines, non-NC	12	318	2	179
300060	Broaching machines, NC	0	0	0	0
300080	Broaching machines, non-NC	19	749	14	511
401050	Gear hobbers	25	1839	8	421
401070	Gear shapers	1	409	1	409
401090	Gear cutting machines, n.e.c.	18	10744	6	3061
405060	Gear grinding or finishing machines	9	1727	1	8
500050	Sawing or cutting-off machines, NC	20	960	11	410
500090	Sawing or cutting-off machines, non-NC	414	4954	196	1833
9000000001	Metal cutting machine tools, n.e.c.	169	7475	48	1847
9800000001	Used or rebuilt machine tools	1494	12882	762	4376
9900000001	Machine tools valued at less than $3,025	10392	6066	3627	2231
	Cutting Total			5256	45695
	Y-T-D Cutting Total	14243	147428		
	NC Y-T-D Cutting Total*	397	64351		

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - March 91

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	2	121
8457100015	0	0	0	0	1	133	0	0	3	394
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	1	398
100045	0	0	0	0	0	0	2	114	1	93
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	1	49	0	0	1	82	0	0	3	357
110050	1	399	0	0	0	0	0	0	1	134
110090	0	0	0	0	0	0	0	0	2	451
190030	0	0	0	0	0	0	0	0	1	18
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	1	104
190090	1	8	0	0	0	0	0	0	1	5
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	1	10
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	6	369
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	2	9
290070	0	0	0	0	0	0	0	0	2	7
290090	0	0	0	0	0	0	0	0	9	46
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	1	266
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	4	101
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	2	19
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	1	79	0	0	6	176
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	1	11
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	4	187	1	7
310080	0	0	0	0	0	0	4	548	0	0
390050	0	0	0	0	0	0	0	0	8	67
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	4	41	0	0	2	18
900060	0	0	0	0	0	0	0	0	0	0
900080	3	36	0	0	0	0	0	0	21	229
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	1	409	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	1	8	0	0	0	0	0	0	0	0
500050	0	0	0	0	3	49	0	0	7	327
500090	0	0	0	0	0	0	0	0	25	159
9000000001	0	0	0	0	0	0	0	0	18	161
9800000001	4	74	0	0	0	0	4	64	65	769
9900000001	79	65	15	9	25	46	42	63	351	343
Month Tot	90	639	16	419	35	429	56	976	548	5169
Y-T-D Tot	241	1745	27	447	431	3061	115	2475	1450	15257
NC YTD Tot*	3	954	0	0	18	2033	14	1422	56	8109

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - March 91

	China		France		Germany **		India		Indonesia	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	1	228	0	0	11	822	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	1	246	0	0	0	0
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	1	1050	0	0	1	1611	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	2	224	1	100	1	130	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	1	7	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	1	35	10	652	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	3	218	0	0	0	0	0	0
290090	0	0	0	0	0	0	1	4	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	1	80	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	2	1492	1	427	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	13	377	0	0	0	0	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	6	39	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	3	67	7	76	7	112	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	4	80	11	125	0	0	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	1	150	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	11	324	0	0	0	0	2	177	0	0
401050	0	0	0	0	8	421	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	1	715	0	0	1	86	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	0	0	21	102	0	0	0	0
9000000001	4	909	0	0	1	8	3	21	0	0
9800000001	61	400	7	41	110	470	0	0	0	0
9900000001	0	0	201	97	91	70	37	20	11	7
Month Tot	98	4302	225	726	283	6535	44	648	11	7
Y-T-D Tot	145	7662	453	4644	1137	25548	224	3962	14	56
NC YTD Tot*	15	3320	15	2263	62	17863	3	1187	1	31

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - March 91

	Italy		Japan		Korea		Malaysia		Mexico	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	1	38	0	0	0	0	1	93
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	6	2085
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	1	1090	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	3	220	0	0	2	259
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	3	84	0	0	0	0	1	7
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	1	157	0	0	0	0
190090	0	0	2	8	0	0	0	0	2	18
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	2	151
991050	0	0	0	0	0	0	0	0	7	126
995090	0	0	0	0	0	0	0	0	4	89
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	1	16
290090	4	17	0	0	0	0	0	0	3	29
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	2	105
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	1	4
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	1	31
510080	0	0	0	0	0	0	0	0	3	168
590030	0	0	0	0	0	0	0	0	1	20
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	1	37	24	710	0	0	7	42
700020	0	0	0	0	1	215	0	0	2	23
700080	0	0	0	0	0	0	0	0	6	20
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	1	12
190050	0	0	0	0	1	148	0	0	0	0
210080	0	0	0	0	5	1010	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	2	63
290050	0	0	0	0	2	193	0	0	1	30
310080	0	0	0	0	1	64	0	0	0	0
390050	0	0	17	108	0	0	2	13	7	44
400060	0	0	0	0	0	0	0	0	0	0
400080	1	3	2	17	1	45	0	0	0	0
900060	0	0	0	0	0	0	0	0	1	24
900080	0	0	28	327	16	192	0	0	2	24
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	1	11
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	1	11
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	4	2259	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	1	3	30	360	3	35	1	11	8	100
9000000001	0	0	2	40	1	6	0	0	2	79
9800000001	2	6	4	128	5	141	0	0	248	994
9900000001	65	24	538	266	232	89	2	3	666	322
Month Tot	73	54	633	4763	296	3226	5	28	992	5001
Y-T-D Tot	361	5495	1789	12600	1035	8406	9	71	2263	11119
NC YTD Tot*	5	2906	42	3093	14	3243	0	0	39	4580

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - March 91

	Netherlands		Singapore		Spain		Switzerland		Taiwan	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	1	916
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	18	80	0	0	0	0	0	0	3	1045
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	1	29	0	0	0	0
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	4	160	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	1	8	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	3	17	0	0	1	5	2	25	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	1	63	1	6	1	6	9	89	1	15
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	1	12	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	39	169	8	55	0	0	0	0	0	0
9000000001	0	0	1	7	0	0	0	0	0	0
9800000001	9	12	143	477	0	0	10	154	0	0
9900000001	43	31	55	38	11	17	90	53	58	67
Month Tot	113	372	209	595	18	217	112	329	63	2044
Y-T-D Tot	218	2195	333	1631	59	466	424	2001	584	2747
NC YTD Tot*	4	889	2	183	1	27	6	1330	3	973

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - March 91

	Thailand		U.K.		USSR		Venezuela		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	1	97	0	0	0	0	0	0
8457100015	0	0	1	122	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	2	1503
100045	0	0	0	0	0	0	2	175	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	8	644	0	0	1	98	1	152
110050	0	0	0	0	0	0	1	120	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	1	4
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	3	97
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	4	220
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	2	84	2	85
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	1	49
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	1	5	0	0	0	0	33	150
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	2	85
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	10	380
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	2	43
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	13	584	2	7
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	1	15
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	3	819
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	1	29	0	0	0	0	0	0	7	395
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	1	8	0	0	0	0	15	101
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	10	100	0	0	11	124	10	144
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	1	14
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	1	29
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	1	34	0	0	0	0	0	0
500090	0	0	44	572	0	0	1	23	15	243
9000000001	0	0	11	259	0	0	2	33	3	324
9800000001	2	5	10	71	13	39	44	227	21	305
9900000001	2	3	639	169	0	0	58	37	316	391
Month Tot	5	36	727	2080	13	39	135	1504	456	5556
Y-T-D Tot	46	452	1053	6507	21	11435	260	2920	1551	14528
NC YTD Tot*	2	50	40	3782	4	324	7	608	41	5184

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
March 91

RELEASED: June 5, 1991

Metal Forming Machine Tools		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8454300010	Die casting machines	103	3086	21	1181
8462100030	Headers and upsetters, including cold headers	9	4079	3	939
100050	Forging or die stamping machines, and hammers, n.e.c.	42	7937	18	3185
210080	Bending, folding, straight. or flat. mach., incl presses, NC	62	8596	29	3667
290030	Press brakes, non-NC	29	573	11	214
290040	Bending rolls, non-NC	18	682	9	147
290050	Bending, folding, straight., or flat., n.e.c., non-NC	228	8585	70	3205
310080	Shearing machines, NC	18	1550	6	351
390050	Shearing machines, non-NC	97	2989	45	1019
410080	Punching or notching mach., incl. comb. punch & shear, NC	26	5449	5	2662
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	131	4566	29	553
910060	Hydraulic presses, NC	6	370	2	251
910090	Hydraulic presses, non-NC	169	3455	46	677
990030	Presses, n.e.c., NC	28	2503	11	999
990040	Presses, mechanical, non-NC	67	4652	28	1374
990060	Presses, n.e.c., non-NC	247	7020	41	1547
8463100080	Draw benches for bars, tubes, profiles, wire or the like	52	2238	6	110
200080	Thread rolling machines	15	359	9	243
300080	Machines for working wire	178	5685	64	1178
900080	Metal forming machine tools, n.e.c.	261	12388	93	6832
9800000002	Used or rebuilt machine tools	767	12836	260	4788
9900000002	Machine tools valued at less than $3,025	3929	3192	1269	965
	Forming Total			2075	36086
	Y-T-D Forming Total	6482	102793		
	NC Y-T-D Forming Total	140	18468		
	Cutting and Forming Totals:				
	Monthly Total			7331	81781
	Y-T-D Total	20725	250221		
	NC Y-T-D Total*	537	82820		

Other Manufacturing Technology		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
1000000000	Machine tool parts and accessories	0	165810	0	54976
2000000000	Parts for working rubber or plastics - heading 8477	0	68007	0	22701
2710003070	Quenching or cutting oils	0	1395	0	510
8428900010	Industrial robots for lifting, handling, loading or unload	208	1239	80	233
8431390090	Parts industrial robots, handling and loading - heading 8428	0	22842	0	8205
8456100000	Laser, light or photon beam for working any material	174	9567	63	3712
200000	Ultrasonic process for working any material	16	347	5	103
8477106010	Injection molding mach., for rubber or oth. thermosetting	44	2995	11	868
106070	Injection molding machines, for thermoplastics	86	9342	28	2858
200005	Extruders; rubber or other thermosetting mat., single screw	27	1933	10	466
200015	Extruders; rubber or thermosetting, other incl. multi. screw	31	3004	3	158
200030	Extruders; thermoplastics, single screw	117	4219	71	2858
200060	Extruders; thermoplastics, other incl. multi. screw	34	5400	13	1820
300000	Blow molding machines	204	9498	14	2312
400000	Vacuum-molding and other thermoforming machines	310	1339	199	406
510010	Machines for molding or retreading pneumatic tires	1011	3281	828	1939
510090	Machines for molding or otherwise forming inner tubes	151	5126	34	2307
590000	Machines for molding or otherwise forming n.e.c.	364	3637	128	1498
800000	Machines for working rubber or plastics n.e.c.	1285	20541	367	4535
8479899040	Industrial robots, n.e.c.	1319	16049	525	7268
908040	Industrial robot parts	0	9110	0	4915
8537100030	Numerical controls for controlling machine tools	414	5932	153	2085
9024100000	Machines and appliances for testing metals	0	15157	0	5432
9031100000	Machines for balancing mechanical parts	0	6016	0	1565
300000	Profile projectors	0	1486	0	894
9032810040	Industrial process control instr., hydraulic or pneumatic	251498	11616	94325	4471

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "NC Y-T-D Total" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

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	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	1	758	1	267
8462100030	0	0	0	0	0	0	0	0	1	509
100050	1	70	0	0	0	0	0	0	2	1747
210080	0	0	0	0	0	0	2	442	9	1859
290030	0	0	0	0	0	0	0	0	2	14
290040	0	0	0	0	0	0	0	0	4	55
290050	5	102	0	0	0	0	0	0	26	364
310080	0	0	0	0	0	0	0	0	1	102
390050	0	0	0	0	0	0	0	0	7	165
410080	0	0	0	0	0	0	0	0	1	254
490050	0	0	0	0	0	0	1	13	4	40
910060	0	0	0	0	0	0	0	0	1	185
910090	0	0	0	0	0	0	0	0	14	166
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	0	0	0	0	0	0	0	0
990060	1	250	0	0	0	0	0	0	0	0
8463100080	0	0	0	0	0	0	0	0	2	11
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	1	12	3	115
900080	1	18	0	0	1	9	0	0	8	85
9800000002	0	0	0	0	0	0	0	0	39	357
9900000002	7	6	0	0	41	18	0	0	133	131
Month Tot	15	446	0	0	42	27	5	1225	258	6426
Y-T-D Tot	63	793	3	84	136	153	59	2230	709	15103
NC YTD Tot	0	0	0	0	0	0	4	552	24	4040
C&F Month	105	1085	16	419	77	456	61	2201	806	11595
C&F Y-T-D	304	2538	30	531	567	3214	174	4705	2159	30360
C&F NC YTD*	3	954	0	0	18	2033	18	1974	80	12148

Other Manufacturing Technology

1000000000	0	1017	0	538	0	926	0	1198	0	8842
2000000000	0	156	0	1225	0	531	0	320	0	7724
2710003070	0	12	0	0	0	48	0	0	0	124
8428900010	0	0	0	0	0	0	0	0	9	35
8431390090	0	198	0	0	0	710	0	24	0	1146
8456100000	1	16	0	0	0	0	0	0	0	0
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	1	31
106070	0	0	0	0	0	0	1	236	6	703
200005	0	0	0	0	0	0	0	0	1	101
200015	0	0	0	0	0	0	0	0	3	158
200030	0	0	0	0	0	0	0	0	0	0
200060	0	0	0	0	0	0	0	0	1	152
300000	0	0	0	0	1	1431	2	565	1	24
400000	0	0	0	0	0	0	1	3	1	31
510010	400	57	0	0	12	295	10	243	3	86
510090	3	41	11	275	0	0	0	0	0	0
590000	1	7	0	0	0	0	0	0	15	288
800000	0	0	0	0	0	0	2	5	84	1708
8479899040	6	34	0	0	0	0	0	0	157	1885
908040	0	0	0	0	0	22	0	0	0	530
8537100030	0	0	0	0	0	0	1	13	21	211
9024100000	0	46	0	19	0	41	0	38	0	677
9031100000	0	3	0	0	0	0	0	0	0	471
300000	0	0	0	0	0	0	0	0	0	8
9032810040	277	44	76	4	9452	491	25	85	8574	472

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
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	China		France		Germany **		India		Indonesia	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	1	12	0	0	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	1	13	1	13	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	2	20	0	0	0	0
410080	0	0	1	163	0	0	0	0	0	0
490050	4	45	0	0	0	0	0	0	0	0
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	2	12	0	0	0	0
990030	0	0	8	500	0	0	0	0	0	0
990040	0	0	0	0	9	379	0	0	0	0
990060	0	0	2	299	0	0	0	0	0	0
8463100080	0	0	0	0	3	76	0	0	0	0
200080	0	0	0	0	6	199	0	0	0	0
300080	1	14	5	35	6	191	0	0	0	0
900080	0	0	0	0	5	110	3	30	1	50
9800000002	0	0	2	10	6	104	0	0	0	0
9900000002	23	19	20	18	109	84	18	7	0	0
Month Tot	28	78	39	1037	150	1200	21	37	1	50
Y-T-D Tot	45	3849	197	2226	568	10160	40	529	31	409
NC YTD Tot	3	948	9	663	16	1475	1	140	0	0
C&F Month	126	4379	264	1764	433	7735	65	685	12	57
C&F Y-T-D	190	11511	650	6870	1705	35708	264	4491	45	465
C&F NC YTD*	18	4268	24	2926	78	19339	4	1327	1	31

Other Manufacturing Technology

1000000000	0	700	0	1802	0	5822	0	323	0	4
2000000000	0	212	0	525	0	842	0	213	0	55
2710003070	0	0	0	0	0	0	0	0	0	0
8428900010	2	12	56	50	5	50	0	0	0	0
8431390090	0	1102	0	272	0	170	0	10	0	178
8456100000	0	0	0	0	3	222	0	0	0	0
200000	0	0	0	0	0	0	1	15	0	0
8477106010	0	0	3	391	2	90	0	0	0	0
106070	2	163	4	282	0	0	0	0	0	0
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	0	0
200030	0	0	38	990	12	271	0	0	0	0
200060	0	0	0	0	0	0	0	0	0	0
300000	4	65	1	91	0	0	0	0	0	0
400000	0	0	0	0	2	14	0	0	0	0
510010	0	0	1	36	1	22	0	0	0	0
510090	1	1650	0	0	0	0	0	0	0	0
590000	0	0	11	163	28	442	0	0	0	0
800000	0	0	1	23	3	30	0	0	0	0
8479899040	0	0	69	542	80	735	0	0	0	0
908040	0	0	0	80	0	213	0	0	0	0
8537100030	1	11	24	320	18	257	0	0	0	0
9024100000	0	0	0	159	0	654	0	0	0	8
9031100000	0	0	0	0	0	181	0	412	0	0
300000	0	0	0	0	0	28	0	0	0	0
9032810040	16	35	3607	222	3899	267	144	23	0	0

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
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	Italy		Japan		Korea		Malaysia		Mexico	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	0	0	2	10
8462100030	0	0	0	0	2	430	0	0	0	0
100050	0	0	1	220	2	110	0	0	1	33
210080	1	27	3	119	0	0	0	0	3	231
290030	0	0	0	0	0	0	0	0	6	95
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	6	202	4	101	0	0	8	960
310080	0	0	1	79	0	0	0	0	3	121
390050	0	0	1	12	2	62	0	0	30	705
410080	0	0	1	2010	0	0	0	0	1	131
490050	0	0	0	0	0	0	0	0	8	113
910060	0	0	0	0	0	0	0	0	0	0
910090	1	32	0	0	1	19	0	0	22	316
990030	1	224	2	275	0	0	0	0	0	0
990040	0	0	0	0	0	0	0	0	0	0
990060	0	0	8	216	0	0	0	0	28	459
8463100080	1	23	0	0	0	0	0	0	0	0
200080	0	0	0	0	3	43	0	0	0	0
300080	2	14	2	58	0	0	0	0	6	96
900080	1	206	9	166	21	2001	0	0	2	14
9800000002	0	0	47	915	2	1355	0	0	104	1270
9900000002	2	5	143	94	24	26	4	5	275	241
Month Tot	9	531	224	4367	61	4147	4	5	499	4795
Y-T-D Tot	96	2151	512	12927	212	6057	40	638	1513	12647
NC YTD Tot	2	251	13	2960	7	866	0	0	18	1612
C&F Month	82	585	857	9129	357	7374	9	33	1491	9795
C&F Y-T-D	457	7646	2301	25527	1247	14463	49	709	3776	23766
C&F NC YTD*	7	3157	55	6053	21	4109	0	0	57	6192

Other Manufacturing Technology

1000000000	0	2499	0	5577	0	3049	0	289	0	3780
2000000000	0	265	0	768	0	444	0	78	0	1773
2710003070	0	0	0	13	0	0	0	0	0	34
8428900010	0	0	2	16	0	0	0	0	0	0
8431390090	0	4	0	298	0	70	0	0	0	165
8456100000	1	205	24	1905	2	430	0	0	1	30
200000	3	65	1	22	0	0	0	0	0	0
8477106010	0	0	2	129	0	0	0	0	2	136
106070	0	0	0	0	2	90	0	0	3	232
200005	0	0	0	0	0	0	0	0	5	255
200015	0	0	0	0	0	0	0	0	0	0
200030	3	75	2	655	0	0	0	0	4	483
200060	0	0	6	161	0	0	0	0	4	1466
300000	0	0	0	0	0	0	0	0	3	57
400000	0	0	85	44	1	22	0	0	21	246
510010	4	99	0	0	0	0	0	0	4	86
510090	0	0	0	0	0	0	0	0	4	19
590000	8	122	10	174	4	7	0	0	16	133
800000	6	95	5	199	1	15	0	0	92	735
8479899040	2	50	3	40	2	93	0	0	10	1402
908040	0	109	0	1359	0	11	0	3	0	140
8537100030	2	25	5	59	7	89	1	8	3	44
9024100000	0	80	0	1546	0	400	0	0	0	177
9031100000	0	7	0	42	0	25	0	0	0	187
300000	0	702	0	16	0	23	0	0	0	0
9032810040	3725	299	3074	241	1937	157	0	0	149	91

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
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	Netherlands		Singapore		Spain		Switzerland		Taiwan	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	1	5	0	0	0	0	0	0	1	5
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	2	381	0	0	0	0	0	0
210080	0	0	6	439	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	3	105
290040	0	0	0	0	0	0	0	0	0	0
290050	1	4	3	76	0	0	4	60	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	3	55	0	0	0	0	0	0	0	0
410080	0	0	0	0	0	0	0	0	0	0
490050	0	0	0	0	2	151	1	15	0	0
910060	0	0	0	0	0	0	0	0	0	0
910090	1	6	1	15	0	0	0	0	0	0
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	0	0	0	0	0	0	8	360
990060	0	0	0	0	0	0	0	0	0	0
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	2	40	6	141	0	0
900080	3	966	2	44	0	0	0	0	1	557
9800000002	1	9	11	167	0	0	0	0	0	0
9900000002	84	22	23	19	0	0	0	0	69	31
Month Tot	94	1069	48	1141	4	191	11	216	82	1058
Y-T-D Tot	158	2521	147	1988	17	351	93	609	103	2264
NC YTD Tot	6	771	8	593	0	0	0	0	2	50
C&F Month	207	1441	257	1737	22	409	123	545	145	3102
C&F Y-T-D	376	4716	480	3619	76	817	517	2610	687	5011
C&F NC YTD*	10	1660	10	776	1	27	6	1330	5	1023

Other Manufacturing Technology

1000000000	0	1771	0	954	0	316	0	942	0	664
2000000000	0	205	0	149	0	747	0	445	0	802
2710003070	0	0	0	4	0	0	0	0	0	35
8428900010	0	0	0	0	0	0	0	0	0	0
8431390090	0	70	0	25	0	10	0	0	0	0
8456100000	0	0	2	56	0	0	1	67	0	0
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	1	91	0	0	0	0	0	0
106070	0	0	0	0	0	0	2	321	0	0
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	0	0
200030	0	0	0	0	0	0	0	0	0	0
200060	0	0	0	0	0	0	0	0	0	0
300000	0	0	0	0	0	0	0	0	0	0
400000	0	0	0	0	1	14	0	0	0	0
510010	318	71	0	0	7	170	0	0	0	0
510090	0	0	0	0	0	0	0	0	0	0
590000	1	8	1	10	3	30	1	18	0	0
800000	0	0	0	0	0	0	0	0	4	16
8479899040	33	199	0	0	0	0	14	326	3	414
908040	0	3	0	2132	0	0	0	62	0	0
8537100030	0	0	11	156	1	15	0	0	0	0
9024100000	0	16	0	158	0	162	0	171	0	319
9031100000	0	0	0	127	0	0	0	0	0	0
300000	0	0	0	45	0	0	0	0	0	46
9032810040	6621	414	3183	228	6571	334	0	0	370	25

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
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	Thailand		U.K.		USSR		Venezuela		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	1	26	0	0	0	0	13	97
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	7	521	0	0	0	0	2	105
210080	2	444	3	105	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	5	92
290050	0	0	3	408	0	0	0	0	8	901
310080	1	49	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
410080	0	0	1	105	0	0	0	0	0	0
490050	1	15	2	88	0	0	0	0	6	73
910060	0	0	0	0	0	0	0	0	1	66
910090	0	0	0	0	0	0	0	0	4	110
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	11	635	0	0	0	0	0	0
990060	0	0	0	0	0	0	0	0	2	322
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	23	365	0	0	0	0	7	98
900080	3	182	6	49	0	0	1	33	25	2312
9800000002	0	0	13	79	0	0	3	131	32	390
9900000002	0	0	108	84	0	0	17	15	169	140
Month Tot	7	691	178	2465	0	0	21	178	274	4707
Y-T-D Tot	54	1608	467	6631	0	0	35	351	1184	16513
NC YTD Tot	4	670	9	532	0	0	0	0	14	2345
C&F Month	12	727	905	4545	13	39	156	1683	730	10262
C&F Y-T-D	100	2061	1520	13139	21	11435	295	3271	2735	31041
C&F NC YTD*	6	719	49	4314	4	324	7	608	55	7529

Other Manufacturing Technology

1000000000	0	355	0	4308	0	7	0	741	0	8548
2000000000	0	222	0	1215	0	0	0	411	0	3373
2710003070	0	6	0	0	0	0	0	13	0	22
8428900010	0	0	0	0	0	0	0	0	6	70
8431390090	0	12	0	253	0	0	0	1543	0	1945
8456100000	0	0	5	218	0	0	16	360	7	203
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	0	0
106070	0	0	2	89	0	0	1	48	5	693
200005	0	0	0	0	0	0	4	110	0	0
200015	0	0	0	0	0	0	0	0	0	0
200030	0	0	4	105	0	0	0	0	8	279
200060	0	0	0	0	0	0	0	0	2	41
300000	0	0	0	0	0	0	0	0	2	79
400000	0	0	85	16	0	0	0	0	2	15
510010	0	0	2	61	0	0	24	33	42	682
510090	0	0	1	4	0	0	0	0	14	318
590000	0	0	25	37	0	0	0	0	4	60
800000	0	0	41	1175	0	0	0	0	128	534
8479899040	0	0	92	1143	0	0	0	0	54	405
908040	0	0	0	72	0	0	0	53	0	126
8537100030	2	19	38	606	0	0	0	0	18	253
9024100000	0	4	0	221	0	103	0	0	0	433
9031100000	0	0	0	105	0	0	0	0	0	6
300000	0	0	0	23	0	0	0	0	0	3
9032810040	35200	106	2610	482	0	0	173	34	4642	417

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
March 91

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Bulgaria	0	0	0	0	0	0
Czechoslovakia	0	0	0	0	0	0
Denmark	19	914	4	36	23	950
Finland	0	0	6	323	6	323
Greece	0	0	4	697	4	697
Hungary	4	95	0	0	4	95
Iceland	0	0	6	5	6	5
Ireland	2	80	9	1838	11	1918
Luxembourg	0	0	0	0	0	0
Norway	4	64	0	0	4	64
Po[illegible]d	0	0	1	220	1	220
[illegible]gal	0	0	7	10	7	10
[illegible]nia	0	0	0	0	0	0
Sweden	41	1261	11	33	52	1294
Turkey	3	819	0	0	3	819
Yugoslavia	0	0	0	0	0	0
Oth Europe	0	0	0	0	0	0
TOTAL	1688	14433	575	9898	2263	24331
NORTH AND CENTRAL AMERICA						
Bahamas	0	0	0	0	0	0
Barbados	0	0	2	17	2	17
Belize	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0
Costa Rica	1	3	0	0	1	3
Dominican Rep	0	0	4	7	4	7
El Salvador	0	0	0	0	0	0
Guatemala	0	0	0	0	0	0
Haiti	0	0	1	8	1	8
Honduras	10	12	3	32	13	43
Jamaica	0	0	1	9	1	9
Panama	0	0	4	72	4	72
Trinidad	0	0	0	0	0	0
Oth N & C Am.	3	89	6	66	9	155
TOTAL	1554	10274	778	11432	2332	21706
SOUTH AMERICA						
Argentina	0	0	7	29	7	29
Bolivia	0	0	0	0	0	0
Chile	34	641	4	3	38	644
Colombia	7	255	0	0	7	255
Ecuador	17	28	17	22	34	50
Paraguay	0	0	0	0	0	0
Peru	1	14	1	4	2	18
Uruguay	0	0	0	0	0	0
Oth South Am.	1	15	1	13	2	28
TOTAL	251	3434	56	1474	307	4908
OCEANIA						
New Zealand	12	139	4	3	16	142
Oth Oceania	2	3	0	0	2	3
TOTAL	104	781	19	449	123	1230

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
March 91

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
Bangladesh	0	0	0	0	0	0
Hong Kong	140	720	32	417	172	1137
Iran	2	20	0	0	2	20
Iraq	0	0	0	0	0	0
Israel	7	25	37	116	44	141
Jordan	0	0	0	0	0	0
Kuwait	0	0	0	0	0	0
Laos	0	0	0	0	0	0
Lebanon	0	0	0	0	0	0
Macao	0	0	0	0	0	0
Oman	0	0	0	0	0	0
Pakistan	0	0	2	39	2	39
Philippines	3	33	33	42	36	76
Qatar	0	0	0	0	0	0
Saudi Arabia	2	55	22	429	24	484
Sri Lanka	0	0	0	0	0	0
Syria	0	0	0	0	0	0
United Arab Emr	34	3	17	18	51	22
Vietnam	0	0	0	0	0	0
Oth Asia	0	0	0	0	0	0
TOTAL	1552	16506	619	12636	2171	29142
AFRICA						
Algeria	0	0	0	0	0	0
Botswana	0	0	0	0	0	0
Egypt	9	133	1	46	10	180
Ethiopia	0	0	0	0	0	0
Gabon	0	0	0	0	0	0
Ghana	0	0	0	0	0	0
Guinea	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Malawi	0	0	0	0	0	0
Mauritius	0	0	0	0	0	0
Morocco	0	0	0	0	0	0
Niger	0	0	0	0	0	0
Nigeria	63	96	0	0	63	96
South Africa	35	38	27	151	62	189
Sudan	0	0	0	0	0	0
Swaziland	0	0	0	0	0	0
Tunisia	0	0	0	0	0	0
Zaire	0	0	0	0	0	0
Zambia	0	0	0	0	0	0
Zimbabwe	0	0	0	0	0	0
Oth Africa	0	0	0	0	0	0
TOTAL	107	267	28	197	135	465

Note: Region totals include top countries detailed by product as well as countries listed above.
** West and East Germany are combined.
Cutting Section Notes:
--Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.
* "NC Y-T-D Cutting Total" does not include code 8456300000.

RELEASED: June 5, 1991

U.S. IMPORTS - Metal Cutting Machine Tools - March 91

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8456301020	Traveling wire electro-discharge machines	160	11598	48	3812
301050	Electro-discharge machines, n.e.c., NC	60	6033	22	1676
301070	Electro-discharge machines, n.e.c., non-NC	137	1091	14	226
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm (26")	428	36606	106	9627
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm (26")	29	5194	5	1435
100035	Horizontal machining centers, ATC	137	30298	43	10284
100045	Machining centers, n.e.c.	78	7436	13	2503
200010	Unit construction mach. (single station transfer), NC	9	640	0	0
200090	Unit construction mach. (single station transfer), non-NC	1	217	0	0
300010	Multi-station transfer machines, NC	3	1768	1	93
300090	Multi-station transfer machines, non-NC	9	4738	4	1309
8458110010	Horizontal lathes, multiple spindle, NC	61	10901	21	4516
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	478	39116	192	15482
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	99	14409	25	4083
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	15	7245	6	4225
190030	Horizontal engine or toolroom lathes, non-NC	932	8696	181	2122
190050	Automatic bar and/or chucking mach., single spindle, non-NC	119	3099	24	361
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	10	1582	6	1453
190090	Horizontal lathes, n.e.c., non-NC	189	4347	83	2466
911060	Vertical turret lathes, multiple spindle, NC	3	550	0	0
911080	Vertical turret lathes, n.e.c., NC	6	1131	2	382
915050	Vertical lathes, excl. VTL's, multiple spindle, NC	11	2109	4	1650
915070	Vertical lathes, excluding VTL's, n.e.c., NC	13	2804	3	941
991050	Vertical turret lathes, non-NC	43	504	9	142
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	81	2399	9	512
8459100000	Way-type unit head machines	1	58	0	0
210080	Other drilling machines, NC	99	7971	37	4450
290040	Drilling machines, multiple spindle, non-NC	7	973	1	60
290050	Drilling machines, radial, non-NC	66	692	31	256
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	6	60	1	16
290090	Drilling machines, n.e.c., non-NC	135	3476	35	979
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	3	1065	1	359
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	25	4485	5	1610
310070	Boring-milling machines, n.e.c., NC	10	1434	3	1281
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	0	0	0	0
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	19	2505	9	1881
400040	Boring machines, vertical, NC	3	254	0	0
400050	Boring machines, vertical, non-NC	19	469	4	131
400070	Boring machines, n.e.c., NC	11	1207	4	922
400080	Boring machines, n.e.c., non-NC	105	1761	29	490
510080	Milling machines, knee type, NC	178	2153	28	483
590030	Milling machines, knee type, non-NC	491	4716	158	1402
610080	Milling machines, excluding knee type, n.e.c., NC	109	11353	14	2539
690050	Milling machines, profile, dup., or die sinking, non-NC	9	126	5	109
690070	Milling machines, bed type, non-NC	14	445	5	196
690090	Milling machines, n.e.c., non-NC	155	1744	40	242
700020	Threading or tapping machines, n.e.c., NC	49	3419	16	1358
700080	Threading or tapping machines, n.e.c., non-NC	15	551	5	81
8460110080	Flat surface grinding machines, NC	18	1577	5	836
190010	Flat surface grinding mach., recip.-table type, non-NC	121	1896	24	447
190050	Flat surface grinding machines, n.e.c., non-NC	341	3735	121	1060
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	141	22123	45	7250
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	131	2707	55	953
290030	Grinding machines, internal cylindrical, non-NC	58	1375	10	479
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	215	7213	67	2659
310080	Sharpening machines (tool & cutter grinding), NC	36	1629	18	729
390050	Sharpening machines (tool or cutter grinding), non-NC	212	2490	33	449
400060	Honing or lapping machines, NC	14	1428	6	138
400080	Honing or lapping machines, non-NC	40	2257	10	531
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	20	762	9	280
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	319	11815	137	5011
8461100060	Planing machines, NC	0	0	0	0
100080	Planing machines, non-NC	6	37	5	31
200010	Shaping or slotting machines, NC	1	213	0	0
200090	Shaping or slotting machines, non-NC	10	1383	5	1283
300060	Broaching machines, NC	2	96	1	46
300080	Broaching machines, non-NC	4	435	0	0
401020	Gear cutting for bevel gears	0	0	0	0
401030	Gear hobbers	33	5228	4	373
401040	Gear shapers	20	2267	4	1262
401060	Gear cutting machines, n.e.c.	15	2187	0	0
405050	Gear grinding or finishing for bevel gears	1	49	1	49
405070	Gear grinding or finishing machines, n.e.c.	7	3381	3	1571
500050	Sawing or cutting-off machines, NC	48	6495	8	5599
500090	Sawing or cutting-off machines, non-NC	351	5930	102	1907
9000000001	Metal cutting machine tools, n.e.c.	76	3498	28	754
9800000001	Used or rebuilt machine tools	771	12920	206	4354
9900000001	Machine tools valued at less than $3,025	224813	21415	62453	6941
	Cutting Total			64612	133137
Please see notes on last page	Y-T-D Cutting Total	232464	381968		
of the metal forming section.	NC Y-T-D Cutting Total	2369	246034		

U.S. IMPORTS - Metal Cutting Machine Tools - March 91

	Belgium		Brazil		Canada		France		Germany **	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	0	0	0	0	0	0	0	0
301050	0	0	0	0	0	0	0	0	2	412
301070	0	0	1	15	1	66	0	0	1	80
8457100015	0	0	0	0	0	0	3	261	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	1	340
100045	0	0	0	0	0	0	0	0	3	246
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	1	184	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	4	1295
110030	0	0	0	0	0	0	3	402	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	2	3066
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	1	36
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	1	127
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	1	109	0	0
995090	0	0	0	0	1	16	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	2	10
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	2	204	0	0	3	41
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	3	460
310070	0	0	0	0	0	0	0	0	2	1260
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	9	1881
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	3	46	14	263	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	1	11
690050	0	0	0	0	0	0	2	11	1	8
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	1	21	0	0	1	9
700020	0	0	0	0	0	0	0	0	1	502
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	1	123
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	1	3	0	0	0	0
210080	0	0	0	0	0	0	0	0	10	523
290010	0	0	0	0	0	0	0	0	43	243
290030	0	0	0	0	0	0	0	0	1	364
290050	0	0	0	0	6	16	5	28	24	1082
310080	0	0	0	0	1	10	0	0	11	247
390050	0	0	0	0	2	9	0	0	2	41
400060	0	0	0	0	0	0	0	0	5	99
400080	0	0	0	0	0	0	0	0	1	245
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	0	0	5	60	2	6	25	1328
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	0	0	0	0	3	357
401040	0	0	0	0	0	0	0	0	3	1248
401060	0	0	0	0	0	0	0	0	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	0	0	0	0	0	0	0	0	1	262
500050	0	0	0	0	0	0	1	28	1	5463
500090	0	0	0	0	19	314	0	0	9	437
9000000001	0	0	0	0	4	85	1	10	7	375
9800000001	1	223	0	0	18	140	3	42	64	477
9900000001	2	3	0	0	162	115	314	278	2316	334
Month Tot	3	226	1	15	227	1387	349	1438	2565	23034
Y-T-D Tot	12	1028	80	1182	520	4619	592	4577	3360	62160
NC YTD Tot	0	0	4	391	17	286	11	1054	160	35267

Please see notes on last page of the metal forming section.

U.S. IMPORTS - Metal Cutting Machine Tools - March 91

	Italy		Japan		Korea		Singapore		Spain	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	41	3450	0	0	0	0	0	0
301050	0	0	11	954	0	0	0	0	0	0
301070	0	0	2	7	0	0	0	0	0	0
8457100015	0	0	84	8143	0	0	2	112	0	0
100025	1	744	4	691	0	0	0	0	0	0
100035	0	0	40	9726	1	73	0	0	0	0
100045	2	1229	1	177	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	1	752	0	0	0	0	0	0	0	0
8458110010	0	0	16	2749	0	0	0	0	0	0
110030	0	0	158	12958	10	532	0	0	0	0
110050	0	0	23	3736	0	0	0	0	0	0
110090	0	0	4	1159	0	0	0	0	0	0
190030	0	0	3	64	6	49	15	197	1	64
190050	0	0	0	0	0	0	0	0	1	103
190070	0	0	4	1074	0	0	0	0	0	0
190090	0	0	14	1907	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	2	382	0	0	0	0	0	0
915050	0	0	4	1650	0	0	0	0	0	0
915070	1	170	0	0	0	0	0	0	0	0
991050	8	34	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	37	4450	0	0	0	0	0	0
290040	0	0	1	60	0	0	0	0	0	0
290050	5	109	0	0	1	15	0	0	0	0
290070	0	0	1	16	0	0	0	0	0	0
290090	0	0	7	486	0	0	0	0	18	70
310010	0	0	1	359	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	3	47	0	0	0	0	0	0	0	0
400070	0	0	4	922	0	0	0	0	0	0
400080	11	146	0	0	0	0	0	0	0	0
510080	0	0	1	225	0	0	0	0	0	0
590030	2	92	4	84	0	0	0	0	115	917
610080	0	0	10	2120	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	2	146	0	0	0	0	0	0
690090	0	0	1	4	0	0	0	0	0	0
700020	0	0	14	831	0	0	0	0	0	0
700080	0	0	5	81	0	0	0	0	0	0
8460110080	1	84	2	459	0	0	0	0	0	0
190010	0	0	3	283	0	0	12	122	0	0
1900[illegible]	1	22	0	0	0	0	0	0	0	0
210[illegible]	0	0	30	3693	0	0	0	0	0	0
29[illegible]	0	0	5	212	0	0	0	0	0	0
25[illegible]30	0	0	0	0	0	0	0	0	0	0
25[illegible]50	0	0	11	1241	1	2	0	0	0	0
31[illegible]080	0	0	1	262	0	0	0	0	0	0
390050	0	0	2	35	0	0	0	0	0	0
400060	0	0	1	38	0	0	0	0	0	0
400080	0	0	7	269	0	0	0	0	0	0
900060	0	0	2	162	0	0	0	0	0	0
900080	3	122	66	2929	0	0	0	0	2	249
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	5	1283	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	0	0	0	0	0	0
401040	0	0	0	0	0	0	0	0	0	0
401060	0	0	0	0	0	0	0	0	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	0	0	0	0	0	0	0	0	0	0
500050	5	74	1	34	0	0	0	0	0	0
500090	23	319	25	556	0	0	0	0	0	0
9000000001	2	46	7	117	2	7	0	0	0	0
9800000001	6	213	51	1377	0	0	1	198	0	0
9900000001	1432	318	6108	986	3240	291	8	1	42	68
Month Tot	1507	4523	6826	72546	3261	969	38	630	179	1471
Y-T-D Tot	6234	9033	14948	194210	4965	4330	288	2480	694	6241
NC YTD Tot	21	4022	1428	163198	36	2317	14	867	134	900

Please see notes on last page of the metal forming section.

	Sweden		Switzerland		Taiwan		U.K.		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	4	343	3	19	0	0	0	0
301050	0	0	2	202	7	108	0	0	0	0
301070	0	0	1	9	6	39	0	0	2	10
8457100015	0	0	0	0	0	0	13	966	4	146
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	1	145	0	0	0	0
100045	1	410	0	0	0	0	0	0	6	440
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	1	93	0	0	0	0	0	0
300090	0	0	2	372	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	1	472	0	0
110030	0	0	5	630	11	601	3	234	2	125
110050	0	0	0	0	0	0	2	347	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	17	207	49	740	90	801
190050	0	0	1	126	5	40	0	0	16	56
190070	0	0	2	378	0	0	0	0	0	0
190090	0	0	1	29	2	25	11	177	54	201
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	2	771	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	3	434	5	62
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	15	68	0	0	8	54
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	1	21	0	0	4	57
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	1	916	1	234
310070	0	0	0	0	0	0	0	0	1	21
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	1	83
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	1	35
510080	0	0	0	0	25	215	2	44	0	0
590030	1	41	0	0	21	123	2	79	13	66
610080	0	0	0	0	3	408	0	0	0	0
690050	0	0	2	90	0	0	0	0	0	0
690070	0	0	0	0	3	50	0	0	0	0
690090	0	0	0	0	14	65	1	23	22	121
700020	0	0	0	0	1	25	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	1	169	0	0	0	0	0	0
190010	0	0	0	0	2	13	0	0	7	29
190050	0	0	2	20	106	761	5	153	6	100
210080	1	344	1	285	0	0	3	2405	0	0
290010	0	0	2	401	5	97	0	0	0	0
290030	0	0	0	0	0	0	0	0	9	115
290050	0	0	1	14	8	176	9	67	2	34
310080	0	0	3	8	0	0	0	0	2	201
390050	0	0	0	0	0	0	21	188	6	177
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	1	10	1	7
900060	0	0	1	98	0	0	0	0	6	20
900080	0	0	1	62	2	18	7	36	24	199
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	5	31	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	1	46
300080	0	0	0	0	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	0	0	0	0	1	16
401040	0	0	0	0	0	0	0	0	1	14
401060	0	0	0	0	0	0	0	0	0	0
405050	0	0	0	0	0	0	1	49	0	0
405070	0	0	2	1309	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	0	0	9	46	0	0	17	236
9000000001	0	0	0	0	0	0	2	21	3	94
9800000001	0	0	12	441	1	22	25	1068	24	155
9900000001	223	414	124	44	42121	3444	20	23	6341	621
Month Tot	226	1209	171	5124	42389	6732	189	9255	6681	4577
Y-T-D Tot	956	5677	315	16745	178309	30453	527	21631	20664	17601
NC YTD Tot	5	2057	62	9638	256	9007	89	12413	132	4617

Please see notes on last page of the metal forming section.

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RELEASED: June 5, 1991

Metal Forming Machine Tools		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8454300010	Die casting machines	70	11224	16	4562
8462100030	Headers and upsetters, including cold headers	18	3516	6	1099
100050	Forging or die stamping machines, and hammers, n.e.c.	139	9995	45	4855
210080	Bending, folding, straight. or flat. mach., incl presses, NC	124	12232	39	5171
290030	Press brakes, non-NC	62	2223	17	901
290040	Bending rolls, non-NC	26	850	7	115
290050	Bending, folding, straight., or flat., n.e.c., non-NC	307	8176	84	2043
310080	Shearing machines, NC	5	622	2	233
390050	Shearing machines, non-NC	99	3736	55	2250
410080	Punching or notching mach., incl. comb. punch & shear, NC	40	5967	9	1636
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	71	2346	23	1215
910060	Hydraulic presses, NC	7	4819	3	392
910090	Hydraulic presses, non-NC	430	6974	123	2298
990030	Presses, n.e.c., NC	0	0	0	0
990035	Mechanical transfer presses, non-NC	2	13699	1	3603
990045	Mechanical presses, n.e.c., non-NC	27	1309	6	185
990060	Presses, n.e.c., non-NC	86	7466	30	2518
8463100080	Draw benches for bars, tubes, profiles, wire or the like	60	4695	4	276
200080	Thread rolling machines	16	869	8	342
300080	Machines for working wire	299	15458	97	3986
900080	Metal forming machine tools, n.e.c.	348	9330	152	2840
9800000002	Used or rebuilt machine tools	1844	8184	133	2696
9900000002	Machine tools valued at less than $3,025	2678	1175	1035	639
	Forming Total			1895	43855
	Y-T-D Forming Total	6758	134864		
	NC Y-T-D Forming Total	176	23640		
	Cutting and Forming Totals:				
	Monthly Total			66507	176992
	Y-T-D Total	239222	516832		
	NC Y-T-D Total	2545	269674		

Other Manufacturing Technology		TOTAL YTD		TOTAL MO.	
1000000000	Machine tool parts and accessories	0	136684	0	47719
2000000000	Parts for working rubber or plastics - heading 8477	0	86005	0	31233
2710003070	Quenching or cutting oils	0	105	0	28
8428900010	Industrial robots for lifting, handling, loading or unload	452	7223	218	2820
8431390080	Parts industrial robots, handling and loading - heading 8428	0	24177	0	5899
8456101010	Laser, light or photon beam for working metal, NC	32	6861	12	2275
101020	Laser, light or photon beam for working metal, non-NC	21	4516	11	1101
105000	Laser, light or photon beam for other materials	19	2171	6	342
201010	Ultrasonic processes for working metal, NC	0	0	0	0
201050	Ultrasonic processes for working metal, non-NC	12	93	6	55
205000	Ultrasonic processes for working other materials	26	154	2	12
8477103000	Injection molding mach., for manufacturing shoes	3	353	1	56
106010	Injection molding mach., for rubber or oth. thermosetting	238	26788	96	8229
106050	Injection molding mach., for thermoplastics	498	50644	178	19262
200005	Extruders; rubber or other thermosetting mat., single screw	4	1308	1	454
200015	Extruders; rubber or thermosetting, other incl. multi. screw	57	7333	7	388
200035	Extruders; thermoplastics, single screw, less than 6.4cm	14	292	6	83
200045	Extruders; thermoplastics, single screw, 6.4cm or greater	31	4278	1	275
200055	Extruders; thermoplastics, mutli. screw, less than 6.4cm	5	554	2	133
200065	Extruders; thermoplastics, multi. screw, 6.4cm or larger	34	2764	7	358
300000	Blow molding machines	36	10559	9	1401
400000	Vacuum-molding and other thermoforming machines	45	3831	42	2675
510010	Machines for molding or retreading pneumatic tires	131	8140	27	4068
510090	Machines for molding or otherwise forming inner tubes	28	1129	6	36
590000	Machines for molding or otherwise forming n.e.c.	140	11784	46	5094
800000	Machines for working rubber or plastics n.e.c.	531	52459	192	19113
8479899040	Industrial robots, n.e.c.	1015	33536	499	20322
908040	Industrial robot parts	0	9169	0	2900
8537100030	Numerical controls for controlling machine tools	1872	9151	1005	3906
9024100000	Machines and appliances for testing metals	0	2988	0	898
9031100000	Machines for balancing mechanical parts	0	534	0	64
300000	Profile projectors	0	1730	0	477
9032810020	Industrial process control instr., hydraulic	36744	788	12589	204
810060	Industrial process control instr., pneumatic	57250	1613	27260	773

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

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	Belgium		Brazil		Canada		France		Germany **	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	7	495	1	71	0	0
8462100030	0	0	0	0	2	30	0	0	0	0
100050	0	0	0	0	12	528	1	36	7	519
210080	1	561	0	0	8	975	0	0	0	0
290030	6	528	0	0	9	334	0	0	0	0
290040	0	0	0	0	0	0	0	0	2	88
290050	0	0	0	0	21	225	0	0	2	49
310080	0	0	0	0	0	0	0	0	1	125
390050	6	148	0	0	10	387	0	0	2	46
410080	0	0	0	0	0	0	0	0	3	625
490050	0	0	0	0	3	449	0	0	12	558
910060	0	0	0	0	0	0	0	0	2	356
910090	0	0	0	0	5	885	0	0	1	1
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	0	0	0	0	0	0	0	0
990045	0	0	0	0	0	0	0	0	0	0
990060	0	0	0	0	13	451	0	0	4	1128
8463100080	0	0	0	0	0	0	0	0	4	276
200080	0	0	0	0	0	0	0	0	0	0
300080	3	158	0	0	0	0	0	0	24	2293
900080	0	0	0	0	6	53	0	0	75	818
9800000002	12	96	1	500	33	247	1	17	3	212
9900000002	0	0	0	0	129	146	18	38	105	62
Month Tot	28	1492	1	500	258	5205	21	163	247	7157
Y-T-D Tot	63	2771	4	539	576	12794	42	709	564	26322
MC YTD Tot	1	561	0	0	16	2189	2	44	22	7020
C&F Month	31	1718	2	515	485	6593	370	1601	2812	30191
C&F Y-T-D	75	3799	84	1721	1096	17413	634	5286	3924	88481
C&F MC YTD	1	561	4	391	33	2475	13	1098	182	42287

Other Manufacturing Technology

1000000000	0	169	0	49	0	5187	0	672	0	13407
2000000000	0	35	0	17	0	4807	0	3362	0	14510
2710003070	0	0	0	0	0	16	0	0	0	5
8428900010	0	0	0	0	10	102	2	145	14	21
8431390080	0	0	0	12	0	1600	0	84	0	1354
8456101010	0	0	0	0	0	0	0	0	0	0
101020	0	0	0	0	0	0	0	0	8	794
105000	0	0	0	0	5	339	0	0	0	0
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	0	0
8477103000	0	0	0	0	0	0	0	0	0	0
106010	0	0	0	0	0	0	3	481	33	1240
106050	0	0	0	0	34	5077	0	0	69	4304
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	1	91	3	171
200035	0	0	0	0	6	83	0	0	0	0
200045	0	0	0	0	1	275	0	0	0	0
200055	0	0	0	0	0	0	0	0	0	0
200065	0	0	0	0	1	21	0	0	6	337
300000	0	0	0	0	0	0	1	21	1	3
400000	0	0	0	0	2	82	0	0	22	555
510010	0	0	0	0	14	1095	3	328	2	2311
510090	0	0	0	0	2	3	1	8	0	0
590000	0	0	0	0	6	70	0	0	4	602
800000	3	47	0	0	44	849	3	374	52	5866
8479899040	0	0	0	0	1	8	0	0	9	1135
908040	0	0	0	0	0	22	0	0	0	1412
8537100030	0	0	0	0	0	0	0	0	32	97
9024100000	0	0	0	0	0	96	0	0	0	102
9031100000	0	0	0	0	0	9	0	3	0	30
300000	0	0	0	0	0	0	0	0	0	75
9032810020	0	0	0	0	6	18	0	0	0	0
810060	0	0	0	0	10319	32	10	4	7536	377

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

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	Italy		Japan		Korea		Singapore		Spain	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	2	22	6	3973	0	0	0	0	0	0
8462100030	4	1069	0	0	0	0	0	0	0	0
100050	0	0	16	3356	3	154	0	0	0	0
210080	0	0	23	1834	0	0	0	0	0	0
290030	0	0	2	39	0	0	0	0	0	0
290040	0	0	4	20	0	0	0	0	0	0
290050	32	217	9	860	0	0	0	0	1	15
310080	1	109	0	0	0	0	0	0	0	0
390050	10	1272	4	252	0	0	0	0	0	0
410080	0	0	4	354	0	0	0	0	0	0
490050	0	0	4	116	0	0	0	0	0	0
910060	0	0	0	0	0	0	0	0	0	0
910090	3	28	13	795	5	100	0	0	0	0
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	1	3603	0	0	0	0	0	0
990045	0	0	4	150	0	0	0	0	0	0
990060	0	0	9	736	0	0	0	0	0	0
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	7	336	0	0	0	0	0	0
300080	25	1078	40	397	0	0	0	0	0	0
900080	1	9	10	648	0	0	0	0	0	0
9800000002	2	26	5	1290	0	0	0	0	0	0
9900000002	46	11	221	71	0	0	0	0	73	85
Month Tot	126	3841	382	18828	8	254	0	0	74	100
Y-T-D Tot	267	10203	1204	59300	9	283	1	300	163	1016
NC YTD Tot	5	645	107	10099	0	0	0	0	0	0
C&F Month	1633	8364	7208	91375	3269	1222	38	630	253	1571
C&F Y-T-D	6501	19237	16152	253510	4974	4613	289	2780	857	7256
C&F NC YTD	26	4667	1535	173298	36	2317	14	867	134	900

Other Manufacturing Technology

1000000000	0	1972	0	12669	0	420	0	512	0	115
2000000000	0	527	0	4029	0	490	0	76	0	36
2710003070	0	0	0	5	0	0	0	0	0	0
8428900010	1	14	190	2462	0	0	1	76	0	0
8431390080	0	83	0	683	0	0	0	28	0	25
8456101010	0	0	10	2039	0	0	0	0	0	0
101020	0	0	1	292	0	0	0	0	0	0
105000	0	0	0	0	0	0	0	0	0	0
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	2	12	0	0	0	0	0	0
8477103000	0	0	0	0	0	0	0	0	0	0
106010	1	45	39	4439	1	95	4	201	0	0
106050	1	1001	55	7173	0	0	0	0	0	0
200005	0	0	1	454	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	0	0
200035	0	0	0	0	0	0	0	0	0	0
200045	0	0	0	0	0	0	0	0	0	0
200055	0	0	0	0	0	0	0	0	0	0
200065	0	0	0	0	0	0	0	0	0	0
300000	2	986	1	305	0	0	0	0	0	0
400000	1	2	11	1938	0	0	0	0	0	0
510010	0	0	8	334	0	0	0	0	0	0
510090	0	0	1	2	0	0	0	0	0	0
590000	4	268	8	1923	0	0	0	0	0	0
800000	6	910	50	8329	0	0	0	0	0	0
8479899040	0	0	325	18094	3	36	0	0	0	0
908040	0	26	0	856	0	0	0	0	0	0
8537100030	1	12	947	3779	0	0	0	0	0	0
9024100000	0	91	0	246	0	0	0	0	0	0
9031100000	0	12	0	10	0	0	0	0	0	0
300000	0	0	0	257	0	0	0	0	0	0
9032810020	0	0	771	47	1800	13	0	0	0	0
810060	0	0	80	155	8500	25	0	0	0	0

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

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Metal Forming

	Sweden		Switzerland		Taiwan		U.K.		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	0	0	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	0	0	4	28	0	0	2	233
210080	5	1542	0	0	0	0	0	0	2	258
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	1	6	0	0
290050	7	126	4	100	2	13	3	396	3	43
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	23	145	0	0
410080	0	0	0	0	0	0	0	0	2	657
490050	3	24	0	0	0	0	0	0	1	68
910060	0	0	0	0	0	0	0	0	1	36
910090	0	0	4	463	91	25	0	0	1	1
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	0	0	0	0	0	0	0	0
990045	0	0	0	0	0	0	0	0	2	35
990060	1	12	0	0	2	148	0	0	1	43
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	1	6	0	0	0	0
300080	0	0	2	11	3	49	0	0	0	0
900080	0	0	44	708	3	43	12	550	1	10
9800000002	3	1	51	74	0	0	8	205	14	27
9900000002	0	0	39	37	354	156	1	3	49	30
Month Tot	19	1706	144	1393	460	468	48	1304	79	1442
Y-T-D Tot	58	5023	333	5807	1739	2236	1440	4260	295	3300
NC YTD Tot	5	1542	5	112	0	0	1	186	12	1242
C&F Month	245	2915	315	6517	42849	7201	237	10559	6760	6019
C&F Y-T-D	1014	10700	648	22553	180048	32689	1967	25892	20959	20901
C&F NC YTD	10	3599	67	9750	256	9007	90	12599	144	5859

Other Manufacturing Technology

1000000000	0	517	0	3584	0	1545	0	4198	0	2703
2000000000	0	44	0	1252	0	473	0	424	0	1153
2710003070	0	0	0	0	0	0	0	2	0	0
8428900010	0	0	0	0	0	0	0	0	0	0
8431390080	0	335	0	118	0	84	0	367	0	1127
8456101010	0	0	2	236	0	0	0	0	0	0
101020	0	0	0	0	0	0	2	15	0	0
105000	0	0	0	0	0	0	1	3	0	0
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	6	55	0	0
205000	0	0	0	0	0	0	0	0	0	0
8477103000	0	0	0	0	1	56	0	0	0	0
106010	0	0	10	1498	4	185	0	0	1	45
106050	0	0	4	667	1	10	0	0	14	1030
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	3	126	0	0	0	0
200035	0	0	0	0	0	0	0	0	0	0
200045	0	0	0	0	0	0	0	0	0	0
200055	2	133	0	0	0	0	0	0	0	0
200065	0	0	0	0	0	0	0	0	0	0
300000	0	0	0	0	1	27	3	60	0	0
400000	0	0	0	0	0	0	6	99	0	0
510010	0	0	0	0	0	0	0	0	0	0
510090	0	0	0	0	1	19	0	0	1	4
590000	0	0	0	0	7	118	6	1820	11	294
800000	0	0	6	278	3	92	14	1683	11	687
8479899040	4	177	43	685	0	0	2	66	112	122
908040	0	64	0	139	0	0	0	182	0	199
8537100030	0	0	0	0	25	18	0	0	0	0
9024100000	0	3	0	64	0	0	0	265	0	32
9031100000	0	0	0	0	0	0	0	0	0	0
300000	0	0	0	0	0	0	0	123	0	22
9032810020	0	0	742	5	0	0	0	0	9270	121
810060	620	144	0	0	153	11	5	2	37	23

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
March 91

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Austria	94	276	11	263	105	539
Bulgaria	0	0	0	0	0	0
Czechoslovakia	15	183	0	0	15	183
Denmark	32	194	8	153	40	347
Finland	3	35	9	660	12	696
Hungary	3	141	0	0	3	141
Ireland	28	61	0	0	28	61
Luxembourg	0	0	0	0	0	0
Netherlands	4	77	0	0	4	77
Norway	137	301	0	0	137	301
Poland	12	343	1	1	13	345
Portugal	0	0	0	0	0	0
Romania	0	0	0	0	0	0
USSR	6	147	0	0	6	147
Yugoslavia	24	163	1	124	25	287
Oth Europe	3	35	0	0	3	35
TOTAL	5550	48238	737	18360	6287	66598
NORTH AND CENTRAL AMERICA						
Barbados	0	0	0	0	0	0
Dominican Rep	0	0	0	0	0	0
Mexico	0	0	0	0	0	0
Oth N & C Am.	0	0	0	0	0	0
TOTAL	227	1387	258	5205	485	6593
SOUTH AMERICA						
Argentina	0	0	1	36	1	36
Chile	0	0	0	0	0	0
Colombia	0	0	0	0	0	0
Paraguay	0	0	0	0	0	0
Peru	0	0	0	0	0	0
Uruguay	0	0	0	0	0	0
Venezuela	0	0	0	0	0	0
Oth South Am.	0	0	0	0	0	0
TOTAL	1	15	2	536	3	551
OCEANIA						
Australia	32	515	15	32	47	547
New Zealand	0	0	0	0	0	0
Oth Oceania	0	0	0	0	0	0
TOTAL	32	515	15	32	47	547

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
March 91

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
China	6275	1506	1	3	6276	1508
Hong Kong	1	3	2	119	3	123
India	0	0	0	0	0	0
Indonesia	0	0	25	2	25	2
Iran	0	0	0	0	0	0
Iraq	0	0	0	0	0	0
Israel	6	440	3	43	9	483
Malaysia	0	0	0	0	0	0
Pakistan	0	0	0	0	0	0
Philippines	0	0	0	0	0	0
Thailand	4	146	2	5	6	150
Oth Asia	0	0	0	0	0	0
TOTAL	58800	82972	883	19722	59683	102695
AFRICA						
Ghana	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Niger	0	0	0	0	0	0
South Africa	0	0	0	0	0	0
Swaziland	2	9	0	0	2	9
Oth Africa	0	0	0	0	0	0
TOTAL	2	9	0	0	2	9

Note: Region totals include top countries detailed by product as well as countries listed above.
** West and East Germany are combined.
Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.

U.S. EXPORTS
Metal Cutting Machine Tools - January 91 - March 91

RELEASED: June 5, 1991

		TOTAL UNITS	YTD $000
8456300000	Electro-discharge machines	37	2825
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm (26")	20	2824
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm (26")	2	220
100035	Horizontal machining centers, ATC	11	5548
100045	Machining centers, n.e.c.	33	4538
200010	Unit construction mach. (single station transfer), NC	2	474
200090	Unit construction mach. (single station transfer), non-NC	4	1955
300010	Multi-station transfer machines, NC	7	12459
300090	Multi-station transfer machines, non-NC	6	11869
8458110010	Horizontal lathes, multiple spindle, NC	5	1175
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	53	4401
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	13	2301
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	6	974
190030	Horizontal engine or toolroom lathes, non-NC	13	177
190050	Automatic bar and/or chucking mach., single spindle, non-NC	0	0
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	11	648
190090	Horizontal lathes, n.e.c., non-NC	58	1067
911060	Vertical turret lathes, multiple spindle, NC	0	0
911080	Vertical turret lathes, n.e.c., NC	1	261
915050	Vertical lathes, excl. VTL's, multiple spindle, NC	0	0
915070	Vertical lathes, excluding VTL's, n.e.c., NC	8	613
991050	Vertical turret lathes, non-NC	18	285
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	17	826
8459100000	Way-type unit head machines	1	38
210080	Other drilling machines, NC	55	4523
290040	Drilling machines, multiple spindle, non-NC	0	0
290050	Drilling machines, radial, non-NC	4	25
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	12	574
290090	Drilling machines, n.e.c., non-NC	203	2037
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	0	0
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	3	2580
310070	Boring-milling machines, n.e.c., NC	8	606
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	1	33
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	4	137
400040	Boring machines, vertical, NC	0	0
400050	Boring machines, vertical, non-NC	2	58
400070	Boring machines, n.e.c., NC	0	0
400080	Boring machines, n.e.c., non-NC	5	340
510080	Milling machines, knee type, NC	4	648
590030	Milling machines, knee type, non-NC	35	1422
610080	Milling machines, excluding knee type, n.e.c., NC	4	587
690050	Milling machines, profile, dup., or die sinking, non-NC	0	0
690070	Milling machines, bed type, non-NC	0	0
690090	Milling machines, n.e.c., non-NC	61	1515
700020	Threading or tapping machines, n.e.c., NC	28	850
700080	Threading or tapping machines, n.e.c., non-NC	65	2162
8460110080	Flat surface grinding machines, NC	5	844
190010	Flat surface grinding mach., recip.-table type, non-NC	15	181
190050	Flat surface grinding machines, n.e.c., non-NC	5	592
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	31	11671
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	3	972
290030	Grinding machines, internal cylindrical, non-NC	3	86
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	88	3543
310080	Sharpening machines (tool & cutter grinding), NC	8	690
390050	Sharpening machines (tool or cutter grinding), non-NC	299	2124
400060	Honing or lapping machines, NC	0	0
400080	Honing or lapping machines, non-NC	64	919
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	1	24
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	269	2933
8461100060	Planing machines, NC	0	0
100080	Planing machines, non-NC	57	941
200010	Shaping or slotting machines, NC	2	208
200090	Shaping or slotting machines, non-NC	12	318
300060	Broaching machines, NC	0	0
300080	Broaching machines, non-NC	19	749
401050	Gear hobbers	25	1839
401070	Gear shapers	1	409
401090	Gear cutting machines, n.e.c.	18	10744
405060	Gear grinding or finishing machines	9	1727
500050	Sawing or cutting-off machines, NC	20	960
500090	Sawing or cutting-off machines, non-NC	414	4954
9000000001	Metal cutting machine tools, n.e.c.	169	7475
9800000001	Used or rebuilt machine tools	1494	12882
9900000001	Machine tools valued at less than $3,025	10392	6066
	Y-T-D Cutting Total	14243	147428
	NC Y-T-D Cutting Total*	397	64351

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - January 91 - March 91

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	5	346
8457100015	0	0	0	0	8	1210	0	0	7	1009
100025	0	0	0	0	0	0	0	0	2	220
100035	0	0	0	0	1	278	0	0	2	837
100045	0	0	0	0	0	0	2	114	5	370
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	1	98
8458110010	0	0	0	0	0	0	0	0	0	0
110030	1	49	0	0	4	354	0	40	5	503
110050	1	399	0	0	1	118	0	0	2	217
110090	0	0	0	0	0	0	0	0	4	710
190030	0	0	0	0	0	0	0	0	1	18
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	1	104
190090	1	8	0	0	0	0	0	0	7	227
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	1	214
991050	0	0	0	0	0	0	0	0	1	10
995090	0	0	0	0	0	0	0	0	4	188
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	6	369
290040	0	0	0	0	0	0	0	0	0	0
290050	1	10	0	0	0	0	0	0	3	15
290070	0	0	0	0	0	0	0	0	4	15
290090	0	0	0	0	0	0	1	61	35	186
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	1	266
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	1	25	0	0	1	33
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	1	480
590030	0	0	0	0	0	0	0	0	7	187
610080	0	0	0	0	0	0	0	0	1	416
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	1	12	0	0	0	0	0	0	3	67
700020	0	0	0	0	1	24	0	0	0	0
700080	5	200	0	0	3	204	1	15	8	204
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	1	15	1	11
190050	0	0	0	0	0	0	0	0	2	126
210080	0	0	0	0	0	0	0	0	2	1838
290010	0	0	0	0	0	0	0	0	1	119
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	5	407	5	148
310080	0	0	0	0	0	0	4	548	0	0
390050	1	8	0	0	0	0	22	196	37	341
400060	0	0	0	0	0	0	0	0	0	0
400080	5	57	0	0	4	41	0	0	8	106
900060	0	0	0	0	0	0	0	0	0	0
900080	4	40	1	16	3	35	2	13	67	677
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	1	109
200090	0	0	0	0	0	0	0	0	2	44
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	4	52
401050	0	0	0	0	8	450	0	0	1	30
401070	0	0	1	409	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	1	8	0	0	0	0	0	0	0	0
500050	0	0	0	0	3	49	0	0	11	468
500090	1	9	0	0	0	0	0	0	78	768
9000000001	1	506	0	0	0	0	8	720	36	397
9800000001	10	279	1	5	2	14	10	273	180	1843
9900000001	208	161	24	18	392	260	59	73	896	872
Y-T-D Tot	241	1745	27	447	431	3061	115	2475	1450	15257
NC YTD Tot*	3	954	0	0	18	2033	14	1422	56	8109

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - January 91 - March 91

	China		France		Germany **		India		Indonesia	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
[illegible]000	2	413	0	0	25	1770	0	0	0	0
[illegible]00015	0	0	0	0	0	0	0	0	0	0
[illegible]00025	0	0	0	0	0	0	0	0	0	0
[illegible]00035	0	0	0	0	1	246	0	0	0	0
100045	0	0	4	304	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	2	280	1	585	0	0
300010	1	1050	0	0	6	11410	0	0	0	0
300090	1	1038	0	0	0	0	0	0	0	0
8458110010		0	1	851	0	0	0	0	0	0
110030	3	347	1	100	1	[illegible]0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	1	7	0	0	2	21	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	1	35	38	3191	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	3	218	1	109	0	0	0	0
290090	0	0	0	0	0	0	64	290	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	1	80	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	[illegible]	0	0
690090	0	0	0	0	0	0	1	[illegible]	0	0
700020	6	144	0	0	0	0	0	[illegible]	0	0
700080	0	0	0	0	1	67	0	0	0	0
8460110080	0	0	0	0	0	0	2	760	1	31
190010	0	0	0	0	0	0	0	0	0	0
190050	1	87	0	0	0	0	0	0	0	0
210080	2	878	2	634	2	1492	1	427	0	0
290010	0	0	2	853	0	0	0	0	0	0
290030	0	0	0	0	1	23	0	0	0	0
290050	13	377	0	0	13	450	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	1	5	7	44	39	252	86	559	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	4	88	12	141	7	112	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	3	21	8	120	18	186	0	0	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	2	11	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	1	150	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	11	324	1	185	0	0	2	177	0	0
401050	0	0	0	0	13	69[illegible]	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	1	715	1	197	3	743	1	841	0	0
405060	0	0	0	0	1	789	0	0	0	0
500050	0	0	0	0	2	330	0	0	0	0
500090	13	235	2	27	30	252	0	0	0	0
9000000001	5	918	5	260	13	1072	3	21	0	0
9800000001	77	1015	32	389	150	1276	2	67	1	15
9900000001	0	0	370	207	765	487	61	36	12	10
Y-T-D Tot	145	7662	453	4644	1137	25548	224	3962	14	56
NC YTD Tot*	15	3320	15	2263	62	17863	3	1187	1	31

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - January 91 - March 91

	Italy		Japan		Korea		Malaysia		Mexico	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	1	38	0	0	0	0	2	127
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	2	440	0	0	0	0	0	0
100045	1	35	0	0	0	0	0	0	13	2462
200010	0	0	1	335	0	0	0	0	1	139
200090	0	0	1	1090	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	8	426	3	220	0	0	2	259
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	2	264
190030	0	0	3	84	0	0	0	0	5	47
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	5	311	0	0	0	0
190090	0	0	2	8	3	25	0	0	23	505
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	1	261
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	3	179
991050	0	0	0	0	0	0	0	0	10	167
995090	0	0	0	0	0	0	0	0	9	470
8459100000	0	0	0	0	0	0	0	0	1	38
210080	0	0	6	617	0	0	0	0	2	209
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	1	16
290090	4	17	1	3	0	0	0	0	23	114
310010	0	0	0	0	0	0	0	0	0	0
310040	2	2450	0	0	0	0	0	0	1	130
310070	0	0	0	0	0	0	0	0	2	105
390040	0	0	0	0	1	33	0	0	0	0
390050	0	0	0	0	0	0	0	0	3	109
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	4	258
510080	0	0	0	0	0	0	0	0	3	168
590030	0	0	1	19	0	0	0	0	3	150
610080	0	0	0	0	0	0	0	0	1	54
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	1	37	24	710	0	0	17	171
700020	0	0	0	0	1	215	0	0	3	36
700080	0	0	0	0	0	0	0	0	11	60
8460110080	0	0	0	0	0	0	0	0	1	26
190010	0	0	0	0	0	0	0	0	1	12
190050	0	0	1	231	1	148	0	0	0	0
210080	2	421	3	704	9	2744	0	0	1	229
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	2	63
290050	0	0	2	159	11	522	0	0	12	144
310080	0	0	0	0	1	64	0	0	1	22
390050	0	0	67	444	3	15	4	21	8	87
400060	0	0	0	0	0	0	0	0	0	0
400080	5	61	5	159	1	45	0	0	0	0
900060	0	0	0	0	0	0	0	0	1	24
900080	1	5	34	440	26	309	0	0	23	176
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	2	55	0	0	5	82
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	2	28
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	1	11
401050	0	0	0	0	0	0	0	0	2	61
401070	0	0	0	0	0	0	0	0	0	0
401090	3	2050	6	3419	1	850	0	0	0	0
405060	0	0	1	856	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	5	129	62	776	21	333	2	37	28	306
9000000001	1	7	24	611	3	1301	0	0	26	297
9800000001	38	251	20	1097	19	187	1	10	447	2334
9900000001	299	68	1537	607	900	320	2	3	1556	718
Y-T-D Tot	361	5495	1789	12600	1035	8406	9	71	2263	11119
NC YTD Tot*	5	2906	42	3093	14	3243	0	0	39	4580

Please see notes on last page of the metal forming section.

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Metal Cutting Machine Tools - January 91 - March 91

	Netherlands		Singapore		Spain		Switzerland		Taiwan	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	1	34
8457100015	0	0	2	183	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	1	464	0	0	0	0	0	0	1	916
100045	1	310	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	1	63	0	0	0	0	2	172	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	1	53	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	3	217	0	0	0	[illegible]	0	0	0	0
290090	32	142	0	0	0	[illegible]	0	0	3	1045
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	8	264	1	29	1	24	1	174
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	[illegible]	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	2	35	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	1	27	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	3	1129	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	6	543	0	0	4	160	0	0	0	0
310080	0	0	0	0	0	0	0	0	2	56
390050	0	0	2	12	0	0	1	8	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	3	17	0	0	1	5	2	25	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	5	91	2	14	1	6	12	110	4	69
8461100060	0	0	0	[illegible]	0	0	0	0	0	0
100080	2	7	2	[illegible]	0	0	0	0	2	13
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	1	23	5	51
500050	0	0	0	0	0	0	1	29	0	0
500090	41	199	9	79	2	45	0	0	3	46
9000000001	0	0	11	472	0	0	3	28	1	13
9800000001	10	19	144	482	24	166	60	286	17	145
9900000001	112	71	153	107	25	27	336	131	544	184
Y-T-D Tot	218	2195	333	1631	59	466	424	2001	584	2747
NC YTD Tot*	4	889	2	183	1	27	6	1330	3	973

Please see notes on last page of the metal forming section.

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Metal Cutting Machine Tools - January 91 - March 91

	Thailand		U.K.		USSR		Venezuela		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	1	97	0	0	0	0	0	0
8457100015	0	0	3	422	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	3	2366
100045	0	0	2	156	0	0	2	175	3	613
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	3	10473	0	0	1	260
8458110010	0	0	0	0	4	324	0	0	0	0
110030	0	0	17	1260	0	0	2	163	3	315
110050	0	0	6	1298	0	0	3	270	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	2	19	0	0	0	0	2	8
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	5	233	0	0	0	0	0	0
190090	0	0	1	10	0	0	0	0	18	257
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	4	220
991050	0	0	6	97	0	0	0	0	1	11
995090	0	0	0	0	0	0	2	84	2	85
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	1	49
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	1	5	0	0	0	0	39	173
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	5	234
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	1	28
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	1	82	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	13	575
610080	0	0	0	0	0	0	0	0	1	37
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	1	25	0	0	0	0	11	259
700020	0	0	0	0	0	0	0	0	17	432
700080	0	0	0	0	0	0	20	1358	16	54
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	12	143
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	1	357	0	0	0	0	3	819
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	1	29	0	0	0	0	0	0	16	604
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	4	23	0	0	0	0	17	109
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	7	63
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	15	151	0	0	14	145	26	310
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	2	20	0	0	1	4	39	734
200010	0	0	0	0	0	0	0	0	1	99
200090	0	0	0	0	0	0	0	0	7	96
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	1	599	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	2	1929
405060	0	0	0	0	0	0	0	0	0	0
500050	2	50	1	34	0	0	0	0	0	0
500090	1	10	75	1084	0	0	9	179	32	440
9000000001	2	143	15	293	0	0	6	59	6	358
9800000001	26	207	90	587	13	39	47	246	73	1649
9900000001	14	14	805	337	0	0	153	156	1169	1198
Y-T-D Tot	46	452	1053	6507	21	11435	260	2920	1551	14528
NC YTD Tot*	2	50	40	3782	4	324	7	608	41	5184

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 91 - March 91

RELEASED: June 5, 1991

Metal Forming Machine Tools		TOTAL UNITS	YTD $000
8454300010	Die casting machines	103	3086
8462100030	Headers and upsetters, including cold headers	9	4079
100050	Forging or die stamping machines, and hammers, n.e.c.	42	7937
210080	Bending, folding, straight. or flat. mach., incl presses, NC	62	8596
290030	Press brakes, non-NC	29	573
290040	Bending rolls, non-NC	18	682
290050	Bending, folding, straight., or flat., n.e.c., non-NC	228	8585
310080	Shearing machines, NC	18	1550
390050	Shearing machines, non-NC	97	2989
410080	Punching or notching mach., incl. comb. punch & shear, NC	26	5449
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	131	4566
910060	Hydraulic presses, NC	6	370
910090	Hydraulic presses, non-NC	169	3455
990030	Presses, n.e.c., NC	28	2503
990040	Presses, mechanical, non-NC	67	4652
990060	Presses, n.e.c., non-NC	247	7020
8463100080	Draw benches for bars, tubes, profiles, wire or the like	52	2238
200080	Thread rolling machines	15	359
300080	Machines for working wire	178	5685
900080	Metal forming machine tools, n.e.c.	261	12388
9800000002	Used or rebuilt machine tools	767	12836
9900000002	Machine tools valued at less than $3,025	3929	3192
	Y-T-D Forming Total	6482	102793
	NC Y-T-D Forming Total	140	18468
	Cutting and Forming Totals:		
	Y-T-D Total	20725	250221
	NC Y-T-D Total*	537	82820

Other Manufacturing Technology		TOTAL UNITS	YTD $000
1000000000	Machine tool parts and accessories	0	165810
2000000000	Parts for working rubber or plastics - heading 8477	0	68007
2710003070	Quenching or cutting oils	0	1395
8428900010	Industrial robots for lifting, handling, loading or unload	208	1239
8431390090	Parts industrial robots, handling and loading - heading 8428	0	22842
8456100000	Laser, light or photon beam for working any material	174	9567
200000	Ultrasonic process for working any material	16	347
8477106010	Injection molding mach., for rubber or oth. thermosetting	44	2995
106070	Injection molding machines, for thermoplastics	86	9342
200005	Extruders; rubber or other thermosetting mat., single screw	27	1933
200015	Extruders; rubber or thermosetting, other incl. multi. screw	31	3004
200030	Extruders; thermoplastics, single screw	117	4219
200060	Extruders; thermoplastics, other incl. multi. screw	34	5400
300000	Blow molding machines	204	9498
400000	Vacuum-molding and other thermoforming machines	310	1339
510010	Machines for molding or retreading pneumatic tires	1011	3281
510090	Machines for molding or otherwise forming inner tubes	151	5126
590000	Machines for molding or otherwise forming n.e.c.	364	3637
800000	Machines for working rubber or plastics n.e.c.	1285	20541
8479899040	Industrial robots, n.e.c.	1319	16049
908040	Industrial robot parts	0	9110
8537100030	Numerical controls for controlling machine tools	414	5932
9024100000	Machines and appliances for testing metals	0	15157
9031100000	Machines for balancing mechanical parts	0	6016
300000	Profile projectors	0	1486
9032810040	Industrial process control instr., hydraulic or pneumatic	251498	11616

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "NC Y-T-D Total" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

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Metal Forming Machine Tools, Machine Tool Totals and other Manufacturing Technology
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Metal Forming

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	2	3	2	761	2	354
8462100030	0	0	0	0	0	0	0	0	1	509
100050	1	70	1	44	0	0	0	0	4	2463
210080	0	0	0	0	0	0	3	475	14	2717
290030	0	0	0	0	0	0	0	0	12	151
290040	0	0	0	0	0	0	0	0	6	92
290050	7	164	0	0	0	0	0	0	98	2135
310080	0	0	0	0	0	0	0	0	3	277
390050	0	0	0	0	0	0	0	0	23	379
410080	0	0	0	0	0	0	1	77	4	840
490050	0	0	0	0	0	0	1	13	18	200
910060	0	0	0	0	0	0	0	0	1	185
910090	3	23	0	0	0	0	0	0	16	300
990030	0	0	0	0	0	0	0	0	2	21
990040	0	0	0	0	0	0	17	754	0	0
990060	1	250	0	0	0	0	1	20	4	47
8463100080	0	0	0	0	0	0	0	0	13	1459
200080	0	0	0	0	0	0	0	0	0	0
300080	1	4	0	0	2	42	6	52	12	453
900080	10	208	1	29	1	9	1	18	16	208
9800000002	7	40	1	10	1	5	2	40	104	1953
9900000002	33	33	0	0	130	94	25	21	356	358
Y-T-D Tot	63	793	3	84	136	153	59	2230	709	15103
NC YTD Tot	0	0	0	0	0	0	4	552	24	4040
C&F YTD	304	2538	30	531	567	3214	174	4705	2159	30360
C&F NC YTD*	3	954	0	0	18	2033	18	1974	80	12148

Other Manufacturing Technology

1000000000	0	2360	0	741	0	2019	0	3885	0	29700
2000000000	0	1025	0	2418	0	867	0	1297	0	19249
2710003070	0	19	0	0	0	56	0	18	0	306
8428900010	0	0	0	0	1	8	0	0	54	544
8431390090	0	885	0	7	0	1921	0	92	0	3373
8456100000	2	37	0	0	1	18	0	0	4	103
200000	0	0	0	0	2	54	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	7	259
106070	0	0	0	0	0	0	1	236	17	2900
200005	0	0	0	0	0	0	0	0	10	1086
200015	0	0	0	0	0	0	0	0	22	2409
200030	2	124	0	0	0	0	0	0	0	0
200060	1	19	0	0	1	1776	0	0	4	823
300000	0	0	0	0	77	1641	16	828	2	527
400000	0	0	0	0	0	0	1	3	17	204
510010	400	57	0	0	38	417	12	288	3	86
510090	3	41	11	275	0	0	0	0	0	0
590000	1	7	0	0	2	4	1	21	20	401
800000	1	14	0	0	0	0	30	440	351	7279
8479899040	8	63	0	0	0	0	0	0	659	4891
908040	0	20	0	0	0	22	0	0	0	2114
8537100030	1	14	0	0	2	25	1	13	38	378
9024100000	0	206	0	38	0	103	0	181	0	1622
9031100000	0	115	0	0	0	0	0	0	0	1834
300000	0	35	0	0	0	0	0	0	0	22
9032810040	576	77	1773	89	10761	560	164	141	12609	1031

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8465300000.
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Metal Forming

	China		France		Germany **		India		Indonesia	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	2	916	1	5	5	37	7	78	0	0
8462100030	0	0	0	0	2	638	0	0	0	0
100050	0	0	2	146	4	641	0	0	0	0
210080	1	578	0	0	4	591	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	1	300	0	0	0	0
290050	2	64	2	50	9	175	2	9	4	76
310080	0	0	0	0	0	0	0	0	0	0
390050	2	127	1	200	2	20	0	0	0	0
410080	0	0	1	163	0	0	1	140	0	0
490050	9	538	0	0	7	102	1	8	7	29
910060	1	8	0	0	0	0	0	0	0	0
910090	1	31	0	0	16	743	0	0	0	0
990030	1	362	8	500	12	885	0	0	0	0
990040	1	500	0	0	20	1348	0	0	0	0
990060	0	0	11	553	6	1474	0	0	0	0
8463100080	0	0	0	0	3	76	0	0	0	0
200080	0	0	0	0	6	199	0	0	0	0
300080	1	14	17	212	43	1616	0	0	0	0
900080	1	691	0	0	24	738	11	287	2	288
9800000002	0	0	15	281	28	346	0	0	0	0
9900000002	23	19	139	115	376	231	18	7	18	15
Y-T-D Tot	45	3849	197	2226	568	10160	40	529	31	409
NC YTD Tot	3	948	9	663	16	1475	1	140	0	0
C&F YTD	190	11511	650	6870	1705	35708	264	4491	45	465
C&F NC YTD*	18	4268	24	2926	78	19339	4	1327	1	31

Other Manufacturing Technology

1000000000	0	1397	0	5762	0	18247	0	867	0	1122
2000000000	0	341	0	1097	0	3987	0	624	0	122
2710003070	0	17	0	40	0	9	0	5	0	81
8428900010	2	12	86	347	13	61	0	0	0	0
8431390090	0	1102	0	573	0	586	0	37	0	460
8456100000	0	0	1	12	7	449	1	15	0	0
200000	0	0	0	0	0	0	1	15	0	0
8477106010	0	0	3	391	2	90	0	0	0	0
106070	16	513	5	327	4	290	0	0	0	0
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	0	0
200030	0	0	38	990	17	456	0	0	0	0
200060	0	0	0	0	2	75	0	0	0	0
300000	4	65	4	1550	10	181	0	0	0	0
400000	0	0	23	200	30	37	0	0	0	0
510010	0	0	1	36	1	22	7	28	0	0
510090	1	1650	0	0	0	0	0	0	0	0
590000	4	63	23	249	42	658	23	21	0	0
800000	73	3576	29	604	81	245	1	24	0	0
8479899040	19	115	81	3336	133	1257	0	0	0	0
908040	0	0	0	263	0	588	0	0	0	0
8537100030	5	75	58	836	55	812	0	0	0	0
9024100000	0	674	0	308	0	1893	0	72	0	31
9031100000	0	144	0	0	0	184	0	1049	0	3
300000	0	0	0	42	0	144	0	0	0	0
9032810040	30	46	7075	475	21061	1310	1103	101	2850	142

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
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Metal Forming

	Italy		Japan		Korea		Malaysia		Mexico	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	33	356	14	246
8462100030	0	0	4	2502	2	430	0	0	0	0
100050	1	390	3	2272	4	213	0	0	2	106
210080	1	27	5	230	1	500	0	0	6	378
290030	0	0	2	88	0	0	0	0	11	173
290040	0	0	0	0	0	0	1	20	2	49
290050	0	0	15	300	4	101	1	12	35	1668
310080	0	0	4	266	0	0	0	0	7	588
390050	0	0	2	67	13	250	0	0	42	1073
410080	0	0	1	2010	4	262	0	0	4	639
490050	8	94	17	309	1	11	0	0	20	360
910060	0	0	0	0	2	104	0	0	1	8
910090	1	32	0	0	2	88	0	0	105	1622
990030	1	224	3	455	0	0	0	0	0	0
990040	0	0	2	107	0	0	0	0	3	110
990060	1	22	55	1541	0	0	1	245	151	1858
8463100080	1	23	8	189	0	0	0	0	0	0
200080	0	0	2	60	3	43	0	0	4	56
300080	7	251	9	312	4	49	0	0	13	224
900080	11	462	39	774	23	2086	0	0	19	202
9800000002	37	600	53	1271	34	1814	0	0	282	2542
9900000002	27	28	288	174	115	104	4	5	792	746
Y-T-D Tot	96	2151	512	12927	212	6057	40	638	1513	12647
NC YTD Tot	2	251	13	2960	7	866	0	0	18	1612
C&F YTD	457	7646	2301	25527	1247	14463	49	709	3776	23766
C&F NC YTD*	7	3157	55	6053	21	4109	0	0	57	6192

Other Manufacturing Technology

1000000000	0	7096	0	16203	0	9253	0	872	0	10278
2000000000	0	908	0	2382	0	3982	0	473	0	6101
2710003070	0	10	0	101	0	51	0	0	0	115
8428900010	1	15	4	64	0	0	0	0	0	0
8431390090	0	21	0	705	0	118	0	66	0	562
8456100000	3	863	54	4425	2	430	0	0	2	304
200000	6	106	1	22	0	0	0	0	0	0
8477106010	0	0	2	129	0	0	0	0	22	1477
106070	0	0	7	856	2	90	0	0	18	2611
200005	0	0	0	0	0	0	0	0	12	627
200015	0	0	7	378	0	0	0	0	2	216
200030	3	75	2	655	10	259	0	0	22	1004
200060	0	0	11	337	0	0	0	0	5	1482
300000	1	13	0	0	21	386	0	0	39	1084
400000	0	0	86	47	24	232	0	0	36	401
510010	9	233	1	81	1	87	0	0	22	464
510090	0	0	5	777	11	266	0	0	33	792
590000	16	255	95	1160	5	16	7	11	60	283
800000	6	95	7	227	7	49	2	39	251	3021
8479899040	74	617	25	246	2	93	2	29	14	1820
908040	0	154	0	2232	0	45	0	8	0	293
8537100030	9	138	11	134	18	229	3	34	7	136
9024100000	0	432	0	3319	0	655	0	0	0	591
9031100000	0	31	0	199	0	981	0	0	0	827
300000	0	716	0	71	0	52	0	0	0	0
9032810040	11463	755	6541	473	6564	408	3	10	862	284

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Metal Forming

	Netherlands		Singapore		Spain		Switzerland		Taiwan	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	2	16	14	157	0	0	0	0	1	5
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	2	381	0	0	0	0	0	0
210080	0	0	6	439	0	0	0	0	2	50
290030	0	0	1	56	0	0	0	0	3	105
290040	0	0	0	0	0	0	0	0	0	0
290050	2	13	3	76	0	0	4	60	0	0
310080	2	326	1	44	0	0	0	0	0	0
390050	3	55	0	0	0	0	0	0	0	0
410080	4	445	1	110	0	0	0	0	0	0
490050	1	4	6	49	3	204	1	15	2	50
910060	0	0	0	0	0	0	0	0	0	0
910090	2	13	1	15	0	0	1	14	0	0
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	1	40	0	0	0	0	8	360
990060	0	0	2	51	0	0	2	11	1	350
8463100080	0	0	1	6	1	14	11	281	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	1	19	0	0	4	126	8	170	0	0
900080	12	1278	4	62	0	0	0	0	9	1306
9800000002	2	287	20	428	0	0	0	0	0	0
9900000002	127	65	84	74	9	7	66	59	77	38
Y-T-D Tot	158	2521	147	1988	17	351	93	609	103	2264
NC YTD Tot	6	771	8	593	0	0	0	0	2	50
C&F YTD	376	4716	480	3619	76	817	517	2610	687	5011
C&F NC YTD*	10	1660	10	776	1	27	6	1330	5	1023

Other Manufacturing Technology

1000000000	0	4406	0	3080	0	1180	0	2373	0	1829
2000000000	0	2000	0	467	0	880	0	665	0	2305
2710003070	0	0	0	56	0	0	0	0	0	88
8428900010	0	0	0	0	0	0	0	0	0	0
8431390090	0	191	0	168	0	47	0	12	0	282
8456100000	0	0	3	68	0	0	2	114	1	47
200000	0	0	1	15	0	0	0	0	0	0
8477106010	0	0	2	194	0	0	0	0	0	0
106070	0	0	0	0	0	0	2	321	0	0
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	0	0
200030	0	0	0	0	0	0	0	0	0	0
200060	0	0	1	680	0	0	0	0	0	0
300000	0	0	0	0	0	0	3	6	0	0
400000	1	15	1	45	1	14	0	0	0	0
510010	320	108	0	0	7	170	0	0	0	0
510090	0	0	0	0	0	0	0	0	0	0
590000	1	8	2	27	4	46	5	84	4	35
800000	103	53	8	83	0	0	1	20	5	136
8479899040	33	199	1	14	0	0	34	535	3	414
908040	0	3	0	2148	0	23	0	392	0	23
8537100030	2	26	28	436	8	80	0	0	1	14
9024100000	0	230	0	405	0	270	0	222	0	518
9031100000	0	3	0	270	0	0	0	0	0	15
300000	0	72	0	64	0	0	0	20	0	113
9032810040	26717	1461	9913	617	14979	767	3744	189	926	79

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Metal Forming

	Thailand		U.K.		USSR		Venezuela		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	2	32	0	0	1	5	15	115
8462100030	0	0	0	0	0	0	0	0	0	0
100050	1	52	8	569	0	0	0	0	9	591
210080	2	444	6	219	0	0	0	0	11	1948
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	1	72	0	0	0	0	7	150
290050	0	0	9	583	0	0	0	0	31	3099
310080	1	49	0	0	0	0	0	0	0	0
390050	0	0	1	725	0	0	1	9	7	85
410080	1	176	3	314	0	0	0	0	1	274
490050	1	15	8	1382	0	0	0	0	20	1180
910060	0	0	0	0	0	0	0	0	1	66
910090	0	0	1	128	0	0	1	35	19	410
990030	0	0	0	0	0	0	0	0	1	57
990040	0	0	11	635	0	0	0	0	4	798
990060	0	0	4	112	0	0	1	34	6	452
8463100080	2	13	7	122	0	0	0	0	5	54
200080	0	0	0	0	0	0	0	0	0	0
300080	2	602	26	423	0	0	0	0	22	1116
900080	4	196	35	927	0	0	4	68	34	2549
9800000002	22	44	20	136	0	0	4	181	135	2858
9900000002	18	16	325	252	0	0	23	20	856	711
Y-T-D Tot	54	1608	467	6631	0	0	35	351	1184	16513
NC YTD Tot	4	670	9	532	0	0	0	0	14	2345
C&F YTD	100	2061	1520	13139	21	11435	295	3271	2735	31041
C&F NC YTD*	6	719	49	4314	4	324	7	608	55	7529

Other Manufacturing Technology

1000000000	0	2094	0	13962	0	786	0	2576	0	23722
2000000000	0	553	0	3274	0	0	0	1408	0	11584
2710003070	0	27	0	15	0	0	0	17	0	363
8428900010	0	0	7	98	0	0	0	0	40	90
8431390090	0	1048	0	1256	0	49	0	1834	0	7448
8456100000	0	0	8	301	0	0	41	1402	42	980
200000	0	0	0	0	0	0	0	0	5	134
8477106010	0	0	1	65	0	0	0	0	5	389
106070	0	0	6	379	0	0	2	101	6	719
200005	0	0	0	0	0	0	4	110	1	110
200015	0	0	0	0	0	0	0	0	0	0
200030	0	0	7	180	0	0	0	0	16	476
200060	0	0	2	42	0	0	0	0	7	167
300000	11	212	6	2447	0	0	0	0	10	559
400000	0	0	85	16	0	0	0	0	5	124
510010	0	0	9	242	0	0	24	33	156	930
510090	29	25	6	126	0	0	0	0	52	1174
590000	0	0	40	164	0	0	0	0	9	123
800000	23	314	111	2665	0	0	15	235	180	1420
8479899040	0	0	166	1843	0	0	1	6	64	570
908040	0	0	0	547	0	0	0	59	0	176
8537100030	4	44	124	1936	0	0	0	0	39	573
9024100000	0	8	0	1625	0	170	0	121	0	1465
9031100000	0	0	0	143	0	0	0	57	0	162
300000	0	0	0	58	0	0	0	0	0	78
9032810040	85541	277	13305	1272	0	0	565	62	12373	989

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
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	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Bulgaria	0	0	0	0	0	0
Czechoslovakia	0	0	1	165	1	165
Denmark	25	992	21	121	46	1113
Finland	4	25	17	683	21	708
Greece	1	11	217	881	218	892
Hungary	4	95	0	0	4	95
Iceland	15	10	15	13	30	22
Ireland	39	302	16	1858	55	2160
Luxembourg	2	3	1	14	3	17
Norway	51	646	79	45	130	690
Poland	3	8	1	220	4	227
Portugal	13	23	7	10	20	33
Romania	5	175	0	0	5	175
Sweden	173	2232	100	264	273	2496
Turkey	4	881	3	113	7	994
Yugoslavia	2	24	2	305	4	328
Oth Europe	14	45	1	9	15	54
TOTAL	4539	67267	2216	29587	6755	96855
NORTH AND CENTRAL AMERICA						
Bahamas	1	12	1	15	2	27
Barbados	0	0	17	109	17	109
Belize	0	0	0	0	0	0
Bermuda	0	0	5	4	5	4
Costa Rica	25	180	27	48	52	228
Dominican Rep	15	16	6	10	21	26
El Salvador	0	0	4	130	4	130
Guatemala	6	14	7	143	13	157
Haiti	0	0	3	18	3	18
Honduras	39	134	7	139	46	273
Jamaica	0	0	2	14	2	14
Panama	8	5	19	280	27	285
Trinidad	1	28	56	48	57	77
Oth N & C Am.	5	99	7	71	12	170
TOTAL	3813	26865	2383	28779	6196	55645
SOUTH AMERICA						
Argentina	101	2164	9	90	110	2254
Bolivia	8	5	1	3	9	8
Chile	79	1155	45	894	124	2049
Colombia	48	392	32	215	80	607
Ecuador	22	40	35	82	57	122
Paraguay	0	0	0	0	0	0
Peru	18	72	21	86	39	159
Uruguay	25	15	0	0	25	15
Oth South Am.	1	15	1	13	2	28
TOTAL	677	9253	238	3965	915	13218
OCEANIA						
New Zealand	17	146	10	14	27	161
Oth Oceania	2	3	0	0	2	3
TOTAL	260	1895	73	807	333	2702

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	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
Bangladesh	0	0	0	0	0	0
Hong Kong	456	2077	56	2167	512	4244
Iran	2	20	0	0	2	20
Iraq	0	0	0	0	0	0
Israel	15	66	48	345	63	411
Jordan	0	0	0	0	0	0
Kuwait	0	0	0	0	0	0
Laos	0	0	0	0	0	0
Lebanon	0	0	0	0	0	0
Macao	0	0	0	0	0	0
Oman	3	7	22	11	25	18
Pakistan	1	25	15	50	16	75
Philippines	32	197	61	2156	93	2353
Qatar	0	0	0	0	0	0
Saudi Arabia	33	337	63	2631	96	2969
Sri Lanka	0	0	0	0	0	0
Syria	0	0	1	186	1	186
United Arab Emr	48	149	17	18	65	167
Vietnam	0	0	0	0	0	0
Oth Asia	0	0	6	81	6	81
TOTAL	4769	40464	1473	37914	6242	78378
AFRICA						
Algeria	0	0	0	0	0	0
Botswana	0	0	0	0	0	0
Egypt	13	293	11	121	24	414
Ethiopia	0	0	0	0	0	0
Gabon	0	0	0	0	0	0
Ghana	1	33	4	842	5	875
Guinea	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Malawi	1	20	0	0	1	20
Mauritius	0	0	7	486	7	486
Morocco	0	0	14	12	14	12
Niger	0	0	0	0	0	0
Nigeria	66	708	8	7	74	715
South Africa	87	577	55	273	142	850
Sudan	0	0	0	0	0	0
Swaziland	0	0	0	0	0	0
Tunisia	0	0	0	0	0	0
Zaire	0	0	0	0	0	0
Zambia	0	0	0	0	0	0
Zimbabwe	11	48	0	0	11	48
Oth Africa	6	4	0	0	6	4
TOTAL	185	1684	99	1740	284	3424

Note: Region totals include top countries detailed by product as well as countries listed above.
** West and East Germany are combined.
Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.
* "NC Y-T-D Cutting Total" does not include code 8456300000.

U.S. IMPORTS - Metal Cutting Machine Tools - January 91 - March 91

RELEASED: June 5, 1991

		TOTAL YTD UNITS	TOTAL YTD $000
8456301020	Traveling wire electro-discharge machines	160	11598
301050	Electro-discharge machines, n.e.c., NC	60	6033
301070	Electro-discharge machines, n.e.c., non-NC	137	1091
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm (26")	428	36606
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm (26")	29	5154
100035	Horizontal machining centers, ATC	137	30298
100045	Machining centers, n.e.c.	78	7436
200010	Unit construction mach. (single station transfer), NC	9	640
200090	Unit construction mach. (single station transfer), non-NC	1	217
300010	Multi-station transfer machines, NC	3	1768
300090	Multi-station transfer machines, non-NC	9	4738
8458110010	Horizontal lathes, multiple spindle, NC	61	10901
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	478	39116
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	99	14409
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	15	7245
190030	Horizontal engine or toolroom lathes, non-NC	932	8696
190050	Automatic bar and/or chucking mach., single spindle, non-NC	119	3099
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	10	1582
190090	Horizontal lathes, n.e.c., non-NC	189	4347
911060	Vertical turret lathes, multiple spindle, NC	3	550
911080	Vertical turret lathes, n.e.c., NC	6	1131
915050	Vertical lathes, excl. VTL's, multiple spindle, NC	11	2109
915070	Vertical lathes, excluding VTL's, n.e.c., NC	13	2804
991050	Vertical turret lathes, non-NC	43	504
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	81	2399
8459100000	Way-type unit head machines	1	58
210080	Other drilling machines, NC	99	7971
290040	Drilling machines, multiple spindle, non-NC	7	973
290050	Drilling machines, radial, non-NC	66	692
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	6	60
290090	Drilling machines, n.e.c., non-NC	135	3476
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	3	1065
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	25	4485
310070	Boring-milling machines, n.e.c., NC	10	1434
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	0	0
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	19	2505
400040	Boring machines, vertical, NC	3	254
400050	Boring machines, vertical, non-NC	19	469
400070	Boring machines, n.e.c., NC	11	1207
400080	Boring machines, n.e.c., non-NC	105	1761
510080	Milling machines, knee type, NC	178	2153
590030	Milling machines, knee type, non-NC	491	4716
610080	Milling machines, excluding knee type, n.e.c., NC	109	11353
690050	Milling machines, profile, dup., or die sinking, non-NC	9	126
690070	Milling machines, bed type, non-NC	14	445
690090	Milling machines, n.e.c., non-NC	155	1744
700020	Threading or tapping machines, n.e.c., NC	49	3419
700080	Threading or tapping machines, n.e.c., non-NC	15	551
8460110080	Flat surface grinding machines, NC	18	1577
190010	Flat surface grinding mach., recip.-table type, non-NC	121	1896
190050	Flat surface grinding machines, n.e.c., non-NC	341	3735
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	141	22123
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	131	2707
290030	Grinding machines, internal cylindrical, non-NC	58	1375
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	215	7213
310080	Sharpening machines (tool & cutter grinding), NC	36	1629
390050	Sharpening machines (tool or cutter grinding), non-NC	212	2490
400060	Honing or lapping machines, NC	14	1428
400080	Honing or lapping machines, non-NC	40	2257
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	20	762
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	319	11815
8461100060	Planing machines, NC	0	0
100080	Planing machines, non-NC	6	37
200010	Shaping or slotting machines, NC	1	213
200090	Shaping or slotting machines, non-NC	10	1383
300060	Broaching machines, NC	2	96
300080	Broaching machines, non-NC	4	435
401020	Gear cutting for bevel gears	0	0
401030	Gear hobbers	33	5228
401040	Gear shapers	20	2267
401060	Gear cutting machines, n.e.c.	15	2187
405050	Gear grinding or finishing for bevel gears	1	49
405070	Gear grinding or finishing machines, n.e.c.	7	3381
500050	Sawing or cutting-off machines, NC	48	6495
500090	Sawing or cutting-off machines, non-NC	351	5930
9000000001	Metal cutting machine tools, n.e.c.	76	3498
9800000001	Used or rebuilt machine tools	771	12920
9900000001	Machine tools valued at less than $3,025	224813	21415
	Y-T-D Cutting Total	232464	381968
	NC Y-T-D Cutting Total	2369	246034

Please see notes on last page of the metal forming section.

U.S. IMPORTS - Metal Cutting Machine Tools - January 91 - March 91

	Belgium		Brazil		Canada		France		Germany **	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	0	0	0	0	0	0	0	0
301050	0	0	0	0	0	0	0	0	5	2672
301070	0	0	1	15	1	66	0	0	5	342
8457100015	0	0	0	0	0	0	4	334	6	847
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	8	3113
100045	0	0	0	0	3	143	0	0	10	1503
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	2	1675
300090	0	0	0	0	2	1324	0	0	0	0
8458110010	0	0	4	391	0	0	0	0	5	1579
110030	0	0	0	0	0	0	3	402	0	0
110050	0	0	0	0	0	0	3	291	0	0
110090	0	0	0	0	0	0	0	0	7	5085
190030	0	0	35	290	0	0	0	0	0	0
190050	0	0	4	81	0	0	0	0	4	1643
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	1	21	0	0	0	0	1	127
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	2	30	0	0	1	981
991050	0	0	0	0	0	0	3	294	0	0
995090	0	0	24	164	1	16	0	0	16	121
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	3	599
290040	0	0	0	0	1	3	0	0	0	0
290050	0	0	2	25	0	0	0	0	2	10
290070	0	0	0	0	0	0	0	0	4	38
290090	0	0	0	0	4	338	1	1208	5	261
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	11	1946
310070	0	0	0	0	2	15	0	0	7	1398
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	9	1881
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	5	73	0	0	0	0
400080	0	0	0	0	24	363	40	818	23	224
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	3	364	4	66
610080	0	0	0	0	0	0	0	0	6	4954
690050	0	0	0	0	0	0	2	11	1	8
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	2	25	0	0	5	364
700020	0	0	0	0	0	0	0	0	2	517
700080	1	5	0	0	0	0	0	0	2	14
8460110080	0	0	0	0	1	3	0	0	12	837
190010	0	0	9	195	0	0	0	0	1	247
190050	0	0	0	0	5	16	3	97	6	636
210080	0	0	0	0	0	0	0	0	30	1314
290010	0	0	0	0	14	146	0	0	66	389
290030	0	0	0	0	0	0	0	0	2	490
290050	0	0	0	0	32	118	5	28	56	1980
310080	0	0	0	0	4	22	0	0	13	251
390050	1	25	0	0	13	48	2	45	92	1129
400060	0	0	0	0	0	0	0	0	7	491
400080	0	0	0	0	5	55	0	0	8	625
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	0	0	7	83	8	37	45	3783
8461100060	0	0	0	0	0	0	0	0	0	0
100080	1	6	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	2	39
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	0	0	0	0	26	4719
401040	0	0	0	0	0	0	0	0	5	2027
401060	0	0	0	0	0	0	0	0	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	1	755	0	0	0	0	0	0	1	262
500050	0	0	0	0	0	0	1	28	20	6230
500090	0	0	0	0	62	858	0	0	92	1446
9000000001	0	0	0	0	7	126	1	10	15	894
9800000001	3	231	0	0	44	415	5	136	124	2770
9900000001	5	6	0	0	279	332	508	475	2583	632
Y-T-D Tot	12	1028	80	1182	520	4619	592	4577	3360	62160
NC YTD Tot	0	0	4	391	17	286	11	1054	160	35267

Please see notes on last page of the metal forming section.

U.S. IMPORTS - Metal Cutting Machine Tools - January 91 - March 91

	Italy		Japan		Korea		Singapore		Spain	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	86	6978	0	0	0	0	0	0
301050	0	0	34	2367	0	0	0	0	0	0
301070	0	0	8	161	0	0	0	0	0	0
8457100015	0	0	275	26316	0	0	12	783	0	0
100025	1	744	17	3065	0	0	0	0	0	0
100035	0	0	124	26748	2	146	0	0	0	0
100045	2	1229	37	2865	5	278	0	0	0	0
200010	0	0	0	0	9	640	0	0	0	0
200090	0	0	1	217	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	1	752	0	0	0	0	0	0	0	0
8458110010	0	0	50	7828	0	0	0	0	0	0
110030	1	124	397	33983	18	1012	0	0	0	0
110050	0	0	94	13772	0	0	0	0	0	0
110090	0	0	8	2160	0	0	0	0	0	0
190030	0	0	4	70	26	243	64	806	30	299
190050	0	0	1	60	0	0	0	0	1	103
190070	0	0	4	1074	0	0	0	0	0	0
190090	0	0	27	2212	0	0	0	0	2	25	0
91[illegible]060	0	0	3	550	0	0	0	0	0	0
91[illegible]070	0	0	3	825	2	241	0	0	0	0
915090	0	0	8	1934	0	0	0	0	0	0
915070	3	437	5	585	0	0	0	0	0	0
991050	16	67	1	33	0	0	0	0	14	76
995090	1	258	5	243	17	1000	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	94	7280	0	0	0	0	0	0
290040	0	0	6	970	0	0	0	0	0	0
290050	7	153	4	113	1	15	0	0	5	73
290070	0	0	1	16	0	0	0	0	1	6
290090	2	51	10	791	1	128	0	0	103	548
310010	0	0	3	1065	0	0	0	0	0	0
310040	0	0	1	342	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	4	541	0	0	0	0	0	0
400040	0	0	2	245	0	0	0	0	0	0
400050	15	209	2	172	0	0	0	0	0	0
400070	2	212	4	922	0	0	0	0	0	0
400080	14	184	3	136	0	0	0	0	0	0
510080	1	397	2	450	0	0	0	0	134	900
590030	3	122	4	84	0	0	0	0	318	2832
610080	0	0	16	2622	0	0	2	84	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	5	298	0	0	0	0	0	0
690090	1	18	3	142	0	0	0	0	2	24
700020	0	0	45	2833	0	0	0	0	0	0
700080	0	0	9	365	0	0	0	0	2	161
8460110080	2	108	2	459	0	0	0	0	0	0
190010	9	237	8	423	0	0	61	585	0	0
190050	1	22	1	8	0	0	0	0	1	62
210080	1	406	90	14685	0	0	0	0	0	0
290010	0	0	16	725	0	0	0	0	0	0
290030	0	0	2	190	0	0	0	0	0	0
290050	0	0	51	3904	1	2	0	0	1	398
310080	0	0	4	687	0	0	0	0	0	0
390050	3	31	17	221	0	0	0	0	0	0
400060	0	0	7	937	0	0	0	0	0	0
400080	0	0	12	311	0	0	0	0	0	0
900060	1	277	6	301	0	0	0	0	0	0
900080	25	582	131	4663	0	0	0	0	9	639
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	1	213	0	0	0	0	0	0
200090	0	0	8	1344	0	0	0	0	0	0
300060	0	0	1	49	0	0	0	0	0	0
300080	0	0	1	421	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	2	317	4	176	0	0	0	0
401040	0	0	14	227	0	0	0	0	0	0
401060	0	0	5	360	0	0	0	0	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	0	0	2	504	0	0	0	0	0	0
500050	7	88	1	34	0	0	0	0	0	0
500090	27	578	71	2376	0	0	0	0	0	0
9000000001	11	94	28	1974	2	7	0	0	0	0
9800000001	37	338	371	3423	0	0	1	198	2	21
9900000001	6040	1315	12680	2022	4877	442	148	24	69	72
Y-T-D Tot	6234	9033	14948	194210	4965	4330	288	2480	694	6241
NC YTD Tot	21	4022	1428	163198	36	2317	14	867	134	900

Please see notes on last page of the metal forming section.

U.S. IMPORTS - Metal Cutting Machine Tools - January 91 - March 91

	Sweden		Switzerland		Taiwan		U.K.		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	24	3394	20	108	0	0	30	1117
301050	0	0	9	828	12	166	0	0	0	0
301070	2	23	11	235	20	155	0	0	89	93
8457100015	0	0	0	0	57	3719	59	4078	15	529
100025	0	0	0	0	8	1254	0	0	3	131
100035	0	0	0	0	2	250	1	1041	0	0
100045	1	410	0	0	0	0	1	122	19	887
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	1	93	0	0	0	0	0	0
300090	0	0	5	975	0	0	1	1687	0	0
8458110010	0	0	1	632	0	0	1	472	0	0
110030	0	0	7	894	28	1521	8	598	16	583
110050	0	0	0	0	0	0	2	347	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	3	30	0	0	312	2365	92	1496	366	3097
190050	0	0	4	565	59	454	0	0	46	191
190070	0	0	2	378	1	33	1	43	2	53
190090	0	0	2	98	56	547	24	429	76	888
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	1	65	0	0	0	0	0	0
915050	0	0	3	175	0	0	0	0	0	0
915070	0	0	0	0	0	0	2	771	0	0
991050	0	0	0	0	8	30	1	3	0	0
995090	0	0	0	0	4	29	7	501	6	67
8459100000	0	0	0	0	0	0	0	0	1	58
210080	0	0	0	0	1	12	0	0	1	79
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	34	216	0	0	11	87
290070	0	0	0	0	0	0	0	0	0	0
290090	2	21	0	0	1	21	2	49	4	57
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	1	713	0	0	4	954	8	529
310070	0	0	0	0	0	0	0	0	1	21
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	4	18	0	0	2	66
400040	0	0	0	0	0	0	0	0	1	9
400050	0	0	0	0	0	0	0	0	2	87
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	1	35
510080	0	0	0	0	38	322	3	85	0	0
590030	1	41	0	0	99	604	21	434	38	170
610080	0	0	1	753	69	1489	1	1366	14	84
690050	0	0	2	90	4	17	0	0	0	0
690070	0	0	0	0	9	147	0	0	0	0
690090	0	0	1	73	43	355	1	23	97	721
700020	0	0	0	0	1	25	1	44	0	0
700080	0	0	0	0	0	0	1	6	0	0
8460110080	0	0	1	169	0	0	0	0	0	0
190010	0	0	0	0	26	180	0	0	7	29
190050	0	0	9	265	296	2204	11	291	8	132
210080	4	1647	5	1552	0	0	4	2515	1	6
290010	0	0	22	1102	8	199	5	145	0	0
290030	20	380	0	0	9	54	0	0	25	262
290050	0	0	7	69	39	377	12	118	11	220
310080	0	0	5	159	0	0	0	0	10	510
390050	0	0	9	236	3	19	59	476	13	262
400060	0	0	0	0	0	0	0	0	0	0
400080	3	1119	1	13	0	0	10	129	1	7
900060	0	0	1	98	0	0	0	0	12	86
900080	2	882	1	62	20	238	18	182	53	665
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	5	31	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	1	46
300080	0	0	0	0	0	0	3	14	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	0	0	0	0	1	16
401040	0	0	0	0	0	0	0	0	1	14
401060	0	0	0	0	0	0	6	1	4	1825
405050	0	0	0	0	0	0	1	49	0	0
405070	0	0	3	1860	0	0	0	0	0	0
500050	0	0	0	0	19	116	0	0	0	0
500090	0	0	3	40	28	156	11	56	57	420
9000000001	0	0	2	114	4	104	2	21	4	154
9800000001	11	122	22	991	21	131	71	2976	59	1169
9900000001	907	1002	149	55	176946	12819	75	79	19547	2139
Y-T-D Tot	956	5677	315	16745	178309	30453	527	21631	20664	17601
NC YTD Tot	5	2057	62	9638	256	9007	89	12413	132	4617

Please see notes on last page of the metal forming section.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 91 - March 91

RELEASED: June 5, 1991

Metal Forming Machine Tools		TOTAL YTD UNITS	$000
8454300010	[illegible] casting machines	70	11224
8462100030	Headers and upsetters, including cold headers	18	3516
100050	Forging or die stamping machines, and hammers, n.e.c.	139	9995
21000[illegible]	Bending, folding, straight. or flat. mach., incl presses, NC	124	12232
2[illegible]	Press brakes, non-NC	62	2223
2[illegible]	Bending rolls, non-NC	26	850
290050	Bending, folding, straight., or flat., n.e.c., non-NC	307	8176
310080	Shearing machines, NC	5	622
390050	Shearing machines, non-NC	99	3736
410080	Punching or notching mach., incl. comb. punch & shear, NC	40	5967
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	71	2346
910060	Hydraulic presses, NC	7	4819
910090	Hydraulic presses, non-NC	430	6974
990030	Presses, n.e.c., NC	0	0
990035	Mechanical transfer presses, non-NC	2	13699
990045	Mechanical presses, n.e.c., non-NC	27	1309
990060	Presses, n.e.c., non-NC	86	7466
8463100080	Draw benches for bars, tubes, profiles, wire or the like	60	4695
200080	Thread rolling machines	16	869
300080	Machines for working wire	299	15458
900080	Metal forming machine tools, n.e.c.	348	9330
9800000002	Used or rebuilt machine tools	1844	8184
9900000002	Machine tools valued at less than $3,025	2678	1175
	Y-T-D Forming Total	6758	134864
	NC Y-T-D Forming Total	176	23640
	Cutting and Forming Totals:		
	Y-T-D Total	239222	516832
	NC Y-T-D Total	2545	269674

Other Manufacturing Technology		TOTAL YTD UNITS	$000
1000000000	Machine tool parts and accessories	0	136684
2000000000	Parts for working rubber or plastics - heading 8477	0	86005
2710003070	Quenching or cutting oils	0	105
8428900010	Industrial robots for lifting, handling, loading or unload	452	7223
8431390080	Parts industrial robots, handling and loading - heading 8428	0	24177
8456101010	Laser, light or photon beam for working metal, NC	32	6861
101020	Laser, light or photon beam for working metal, non-NC	21	4516
105000	Laser, light or photon beam for other materials	19	2171
201010	Ultrasonic processes for working metal, NC	0	0
201050	Ultrasonic processes for working metal, non-NC	12	93
205000	Ultrasonic processes for working other materials	26	154
8477103000	Injection molding mach., for manufacturing shoes	3	353
106010	Injection molding mach., for rubber or oth. thermosetting	238	26788
106050	Injection molding mach., for thermoplastics	498	50644
200005	Extruders; rubber or other thermosetting mat., single screw	4	1308
200015	Extruders; rubber or thermosetting, other incl. multi. screw	57	7333
200035	Extruders; thermoplastics, single screw, less than 6.4cm	14	292
200045	Extruders; thermoplastics, single screw, 6.4cm or greater	31	4278
200055	Extruders; thermoplastics, mutli. screw, less than 6.4cm	5	554
200065	Extruders; thermoplastics, multi. screw, 6.4cm or larger	34	2764
300000	Blow molding machines	36	10559
400000	Vacuum-molding and other thermoforming machines	45	3831
510010	Machines for molding or retreading pneumatic tires	131	8140
510090	Machines for molding or otherwise forming inner tubes	28	1129
590000	Machines for molding or otherwise forming n.e.c.	140	11784
800000	Machines for working rubber or plastics n.e.c.	531	52459
8479899040	Industrial robots, n.e.c.	1015	33536
908040	Industrial robot parts	0	9169
8537100030	Numerical controls for controlling machine tools	1872	9151
902410[illegible]	Machines and appliances for testing metals	0	2988
90[illegible]	Machines for balancing mechanical parts	0	534
[illegible]00	Profile projectors	0	1730
9032810020	Industrial process control instr., hydraulic	36744	788
810060	Industrial process control instr., pneumatic	57250	1613

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 91 - March 91

Metal Forming

	Belgium		Brazil		Canada		France		Germany **	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	14	913	2	218	0	0
8462100030	1	73	0	0	2	30	0	0	2	638
100050	0	0	0	0	21	672	1	36	17	1357
210080	1	561	0	0	15	2187	0	0	5	1001
290030	19	1023	0	0	28	984	0	0	0	0
290040	0	0	0	0	15	533	0	0	2	88
290050	0	0	0	0	79	1466	1	78	37	1248
310080	0	0	0	0	0	0	1	35	1	125
390050	10	228	0	0	16	559	0	0	4	475
410080	0	0	0	0	1	2	1	9	12	1937
490050	0	0	0	0	6	696	0	0	17	1021
910060	0	0	0	0	0	0	0	0	4	3957
910090	0	0	0	0	15	1396	4	13	57	307
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	0	0	0	0	0	0	0	0
990045	0	0	0	0	0	0	0	0	0	0
990060	0	0	0	0	31	1332	0	0	9	2598
8463100080	0	0	0	0	0	0	0	0	36	1835
200080	0	0	0	0	0	0	0	0	0	0
300080	10	597	3	39	11	663	0	0	40	4669
900080	0	0	0	0	20	147	11	91	98	3931
9800000002	22	290	1	500	134	1042	3	191	86	1040
9900000002	0	0	0	0	168	174	18	38	137	95
Y-T-D Tot	63	2771	4	539	576	12794	42	709	564	26322
NC YTD Tot	1	561	0	0	16	2189	2	44	22	7020
C&F Y-T-D	75	3799	84	1721	1096	17413	634	5286	3924	88481
C&F NC YTD	1	561	4	391	33	2475	13	1098	182	42287

Other Manufacturing Technology

1000000000	0	919	0	159	0	17791	0	2424	0	33978
2000000000	0	102	0	24	0	12849	0	8645	0	37030
2710003070	0	0	0	0	0	50	0	0	0	5
8428900010	1	53	0	0	38	523	3	196	28	396
8431390080	0	4	0	20	0	4248	0	460	0	2748
8456101010	0	0	0	0	0	0	0	0	1	675
101020	0	0	0	0	0	0	0	0	15	1322
105000	0	0	0	0	10	877	0	0	3	833
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	0	0
8477103000	0	0	0	0	0	0	0	0	1	47
106010	0	0	0	0	4	214	6	907	47	4486
106050	7	61	0	0	107	14366	0	0	151	11899
200005	0	0	0	0	0	0	0	0	1	748
200015	0	0	0	0	2	5	1	91	21	4704
200035	0	0	0	0	14	292	0	0	0	0
200045	0	0	0	0	2	279	0	0	12	3269
200055	0	0	0	0	0	0	0	0	1	411
200065	0	0	0	0	4	222	0	0	10	872
300000	0	0	0	0	10	251	5	2134	6	5191
400000	0	0	0	0	2	82	1	16	23	1019
510010	0	0	0	0	38	1890	6	706	6	4022
510090	0	0	0	0	3	8	1	8	1	90
590000	1	350	0	0	36	1224	0	0	11	1927
800000	18	131	0	0	92	1304	9	1268	163	19053
8479899040	0	0	0	0	4	38	0	0	16	1771
908040	0	0	0	0	0	132	0	20	0	4426
8537100030	0	0	0	0	0	0	0	0	35	133
9024100000	0	9	0	0	0	185	0	0	0	579
9031100000	0	0	0	0	0	14	0	3	0	443
300000	0	0	0	0	0	15	0	0	0	261
9032810020	0	0	0	0	8	31	0	0	126	77
810060	0	0	2	2	21500	68	210	21	7538	379

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 91 - March 91

Metal Forming

	Italy		Japan		Korea		Singapore		Spain	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	13	255	14	8774	0	0	1	300	0	0
8462100030	10	2592	3	182	0	0	0	0	0	0
100050	3	125	55	5210	3	154	0	0	0	0
210080	4	536	79	5557	0	0	0	0	0	0
290030	0	0	4	66	0	0	0	0	0	0
290040	0	0	4	20	0	0	0	0	0	0
290050	56	672	64	2360	0	0	0	0	2	71
310080	1	109	2	353	0	0	0	0	0	0
390050	11	1301	15	764	0	0	0	0	1	27
410080	0	0	24	3362	0	0	0	0	0	0
490050	11	61	6	134	0	0	0	0	25	331
910060	0	0	2	826	0	0	0	0	0	0
910090	6	405	197	1569	6	129	0	0	0	0
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	2	13699	0	0	0	0	0	0
990045	4	45	9	437	0	0	0	0	0	0
990060	3	321	25	2402	0	0	0	0	1	151
8463100080	2	6	22	2854	0	0	0	0	0	0
200080	0	0	13	816	0	0	0	0	0	0
300080	41	1543	178	6244	0	0	0	0	0	0
900080	7	1024	26	1124	0	0	0	0	30	337
9800000002	9	1181	113	2426	0	0	0	0	1	2
9900000002	86	27	347	118	0	0	0	0	103	97
Y-T-D Tot	267	10203	1204	59300	9	283	1	300	163	1016
NC YTD Tot	5	645	107	10099	0	0	0	0	0	0
C&F Y-T-D	6501	19237	16152	253510	4974	4613	289	2780	857	7256
C&F NC YTD	26	4667	1535	173298	36	2317	14	867	134	900

Other Manufacturing Technology

1000000000	0	4976	0	35996	0	597	0	904	0	542
2000000000	0	3125	0	12317	0	649	0	417	0	42
2710003070	0	0	0	48	0	0	0	0	0	0
8428900010	1	14	364	4820	0	0	1	76	0	0
8431390080	0	199	0	8971	0	0	0	31	0	33
8456101010	0	0	26	5441	0	0	0	0	0	0
101020	0	0	1	292	0	0	0	0	0	0
105000	0	0	0	0	0	0	0	0	0	0
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	6	39	0	0	0	0	0	0
205000	0	0	3	13	0	0	0	0	0	0
8477103000	1	250	0	0	0	0	0	0	0	0
106010	7	959	99	14640	3	249	4	201	0	0
106050	7	2047	162	18444	2	165	0	0	0	0
200005	0	0	1	454	0	0	0	0	0	0
200015	0	0	6	1337	0	0	0	0	0	0
200035	0	0	0	0	0	0	0	0	0	0
200045	0	0	2	230	2	10	0	0	0	0
200055	0	0	0	0	0	0	0	0	0	0
200065	0	0	1	1123	0	0	0	0	0	0
300000	3	1581	5	1146	0	0	0	0	0	0
400000	1	2	12	2614	0	0	0	0	0	0
510010	1	82	20	795	0	0	0	0	0	0
510090	4	95	14	841	0	0	0	0	0	0
590000	4	268	34	4542	0	0	0	0	0	0
800000	31	2651	92	18237	2	39	0	0	0	0
8479899040	3	703	681	28462	3	36	0	0	3	3
908040	0	110	0	2815	0	0	0	0	0	0
8537100030	1	12	1746	8966	0	0	0	0	0	0
9024100000	0	202	0	419	0	0	0	0	0	148
9031100000	0	15	0	24	0	0	0	0	0	0
300000	0	0	0	919	0	0	0	0	0	0
9032810020	0	0	2297	137	3700	26	0	0	0	0
810060	2	12	157	599	13500	41	0	0	0	0

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
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U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 91 - March 91

Metal Forming

	Sweden		Switzerland		Taiwan		U.K.		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	1	523	18	2	1	20	6	218
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	4	896	19	687	4	23	12	836
210080	5	1542	5	112	0	0	1	186	9	549
290030	0	0	0	0	0	0	0	0	11	151
290040	2	102	0	0	1	24	2	83	0	0
290050	29	742	19	168	5	113	8	1171	7	88
310080	0	0	0	0	0	0	0	0	0	0
390050	1	29	0	0	0	0	38	306	3	47
410080	0	0	0	0	0	0	0	0	2	657
490050	3	24	0	0	2	11	0	0	1	68
910060	0	0	0	0	0	0	0	0	1	36
910090	2	2473	5	464	128	61	7	49	3	107
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	0	0	0	0	0	0	0	0
990045	0	0	1	547	1	115	8	116	4	48
990060	2	39	1	10	11	492	2	79	1	43
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	3	53	0	0	0	0
300080	0	0	7	1484	4	122	5	97	0	0
900080	0	0	92	1419	6	75	38	857	20	326
9800000002	8	58	125	116	8	45	1317	1254	17	39
9900000002	6	13	73	69	1533	437	9	19	198	88
Y-T-D Tot	58	5023	333	5807	1739	2236	1440	4260	295	3300
NC YTD Tot	5	1542	5	112	0	0	1	186	12	1242
C&F Y-T-D	1014	10700	648	22553	180048	32689	1967	25892	20959	20901
C&F NC YTD	10	3599	67	9750	256	9007	90	12599	144	5859

Other Manufacturing Technology

1000000000	0	2432	0	9340	0	4791	0	11698	0	10136
2000000000	0	227	0	2989	0	1303	0	1772	0	4515
2710003070	0	0	0	0	0	0	0	2	0	0
8428900010	10	221	0	0	0	0	0	0	6	924
8431390080	0	1176	0	549	0	387	0	2150	0	3199
8456101010	0	0	2	236	0	0	1	483	2	26
101020	0	0	0	0	0	0	3	516	2	2385
105000	0	0	0	0	0	0	4	7	2	454
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	6	55	0	0
205000	0	0	4	7	0	0	18	109	1	24
8477103000	0	0	0	0	1	56	0	0	0	0
106010	0	0	47	3666	15	586	1	67	5	813
106050	0	0	9	1274	14	377	7	133	32	1878
200005	0	0	0	0	0	0	1	99	1	7
200015	0	0	0	0	18	327	0	0	9	867
200035	0	0	0	0	0	0	0	0	0	0
200045	0	0	0	0	0	0	12	94	1	397
200055	2	133	0	0	1	8	0	0	1	2
200065	0	0	0	0	13	340	3	176	3	30
300000	0	0	0	0	1	27	3	60	3	170
400000	0	0	0	0	0	0	6	99	0	0
510010	0	0	0	0	0	0	10	85	50	560
510090	0	0	0	0	3	69	1	14	1	4
590000	3	259	9	180	11	558	7	1853	24	623
800000	0	0	18	3134	26	1167	24	2273	56	3202
8479899040	7	313	53	1302	0	0	3	93	242	816
908040	0	174	0	432	0	3	0	552	0	507
8537100030	18	11	1	2	53	20	0	0	18	6
9024100000	0	544	0	147	0	0	0	570	0	184
9031100000	0	8	0	0	0	0	0	21	0	5
300000	0	0	0	0	0	0	0	444	0	91
9032810020	0	0	3690	150	0	0	2000	19	24923	348
810060	10823	292	5	4	2909	21	20	7	584	168

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
January 91 March 91

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Austria	510	1372	16	353	526	1725
Bulgaria	0	0	0	0	0	0
Czechoslovakia	43	358	2	13	45	371
Denmark	127	616	22	312	149	928
Finland	39	59	16	950	55	1009
Hungary	10	352	0	0	10	352
Ireland	76	166	0	0	76	166
Luxembourg	0	0	1	13	1	13
Netherlands	232	2526	7	210	239	2736
Norway	137	301	4	61	141	362
Poland	43	1131	2	7	45	1137
Portugal	0	0	2	36	2	36
Romania	2	14	0	0	2	14
USSR	12	310	0	0	12	310
Yugoslavia	117	827	4	667	121	1494
Oth Europe	15	178	0	0	15	178
TOTAL	14053	135302	3006	58734	17059	194036
NORTH AND CENTRAL AMERICA						
Barbados	0	0	0	0	0	0
Dominican Rep	0	0	0	0	0	0
Mexico	206	67	9	222	215	289
Oth N & C Am.	9	53	0	0	9	53
TOTAL	735	4739	585	13017	1320	17756
SOUTH AMERICA						
Argentina	0	0	1	36	1	36
Chile	0	0	0	0	0	0
Colombia	0	0	0	0	0	0
Paraguay	0	0	0	0	0	0
Peru	0	0	0	0	0	0
Uruguay	0	0	0	0	0	0
Venezuela	0	0	0	0	0	0
Oth South Am.	0	0	0	0	0	0
TOTAL	80	1182	5	574	85	1757
OCEANIA						
Australia	90	860	21	107	111	967
New Zealand	2	76	0	0	2	76
Oth Oceania	0	0	0	0	0	0
TOTAL	92	936	21	107	113	1043

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
January 91 March 91

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
China	18406	5110	91	44	18497	5154
Hong Kong	506	94	19	145	525	239
India	16	126	2	31	18	157
Indonesia	0	0	25	2	25	2
Iran	0	0	0	0	0	0
Iraq	0	0	0	0	0	0
Israel	20	889	4	57	24	946
Malaysia	0	0	0	0	0	0
Pakistan	0	0	0	0	0	0
Philippines	1	4	0	0	1	4
Thailand	42	1554	2	5	44	1559
Oth Asia	0	0	0	0	0	0
TOTAL	217501	239250	3096	62403	220597	301653
AFRICA						
Ghana	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Niger	0	0	0	0	0	0
South Africa	1	550	45	29	46	579
Swaziland	2	9	0	0	2	9
Oth Africa	0	0	0	0	0	0
TOTAL	3	559	45	29	48	587

Note: Region totals include top countries detailed by product as well as countries listed above.
** West and East Germany are combined.
Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.